

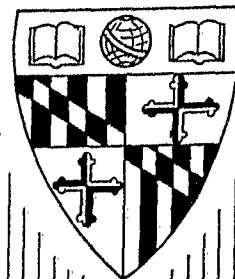
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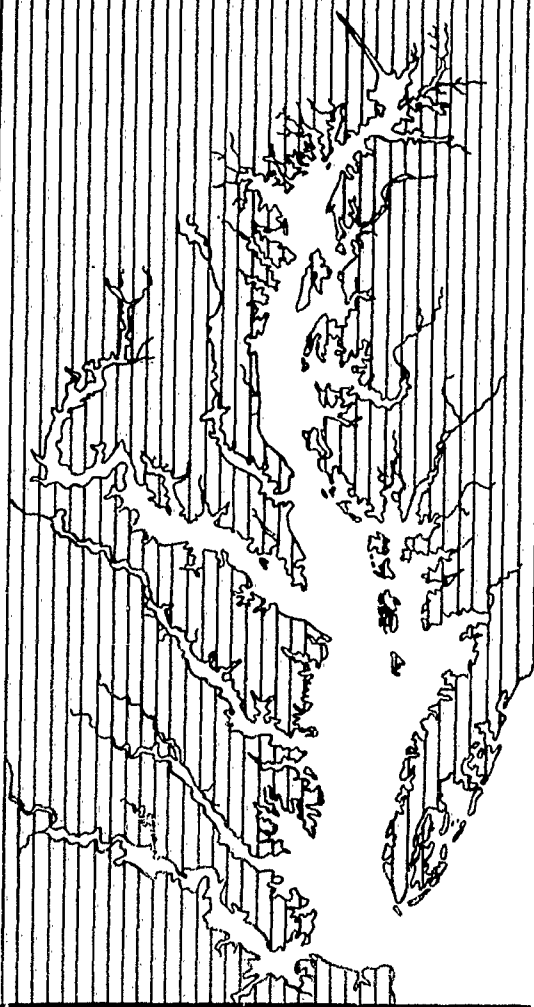
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# THE CHESAPEAKE BAY INSTITUTE of The Johns Hopkins University



DATA REPORT 15  
CHEMICAL & PHYSICAL  
DATA  
CHINCOTEAGUE BAY AREA

July 1943 to June 1953

by James W. McGary  
and Fred N. Seiling

Reference 53-10

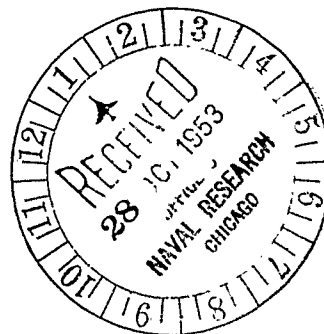
CHESAPEAKE BAY INSTITUTE  
THE JOHNS HOPKINS UNIVERSITY

DATA REPORT 15

CHEMICAL AND PHYSICAL DATA  
CHINCOTEAGUE BAY AREA  
July 1943 to June 1953

By  
James W. McGary  
and  
Fred N. Seiling

This report contains results of work carried out for the State  
of Maryland (Department of Research and Education) and the  
Commonwealth of Virginia (Virginia Fisheries Laboratory).



July 1953  
Reference 53-10

D. W. Pritchard  
Director

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The data reported here were collected to provide basic information for a study of the Chincoteague Bay area being conducted by the Chesapeake Biological Laboratory. The purpose of the study is to determine possible causes of the decline of oyster production in the area and to explore means of restoring productivity. The project was not begun until June, 1951, but all available data collected prior to that time are included.

#### Station Numbering System

The station number indicates the latitude and longitude of the station to the nearest tenth of a minute. Since the area under study lies in the quadrangle bounded by 37°50' N, 38°30' N, 75°00' W, and 75°30' W no duplication occurs if the degrees and letters are omitted. For example, the station off Public Landing, Md., at 38°09.9' N and 75°17.0' W is abbreviated as 09.9-17.0. When stations were located near prominent landmarks or aids to navigation, the name or number is included to aid in orientation.

Data in each subdivision of Part II are listed in numerical station order. If a station was occupied more than once during the period, the data for the station are listed chronologically.

#### Methods of Sampling and Analysis

Water samples were taken with a Foerst bottle of liter capacity. During general coverage surveys, top and bottom samples were taken when depth was greater than 2 1/2 feet. In some cases additional samples were taken at 4 feet when the depth was greater than 6 feet and at 10 feet when greater than 15 feet.

Temperature: Surface temperatures were taken with either a G. M. "bucket" thermometer or a Taylor "bucket" thermometer. Sub-surface temperatures were taken by allowing water from the Foerst bottle to flow into the "bucket" of a G. M. or Taylor thermometer until the temperature reached equilibrium. Daily maximum and minimum temperatures recorded for Public Landing, Md. (Station 08.9-17.0) were taken from the charts of a Bristol Automatic Temperature Recorder. The temperature unit was placed on the bottom approximately 75 feet offshore where the depth was 3 feet at mean low water. The average range of tide in this area is 0.6 feet.

Salinity: The salinities recorded in the historical data were determined by means of hydrometers. A few determinations made during the period from 13 to 28 September, 1951, of the present survey were made by hydrometers. The salinities for all other samples during the present survey were determined by a modification of the Knudsen standard method described in Chesapeake Bay Institute Data Report No. 4, 1950. Salinities determined by the hydrometer readings are recorded to 0.0 o/oo; those determined by the modified Knudsen standard method to 0.00 o/oo.

Dissolved Oxygen: Analyses for dissolved oxygen were made using the Winkler method. The final titrations were completed in the field laboratory. The sodium thiosulfate solutions were standardized against potassium binoxidate. Dissolved oxygen samples were taken from bottom Foerst bottle samples only.

Turbidity: A measure of turbidity was obtained by measuring the transmission through a 5 cm cell containing the sample at wave lengths of 425, 525, and 650 m $\mu$  with a Fisher Filter Photometer. The samples were taken back to the field laboratory for analysis. All samples were thoroughly shaken before being analyzed and no readings were made if the sample had stood longer than 12 hours.

The turbidity values were converted to extinction for a 10 cm cell in order to conform with units used by the Chesapeake Bay Institute for reporting turbidity data.

Black and white Secchi disc readings were made for comparative purposes during the period of 23-26 February 1953.

A time series to determine storage effects was run on the samples taken at station 08.9-17.0 at 1030 and 1140 on 23 June, 1953.

pH: During the period from 13-28 September, 1951, pH was measured with a Beckman pH meter with a specially designed flow cell. Samples were drawn directly from the Foerst bottles. This method was discontinued because of the difficulty of shielding the instrument from dampness (spray, etc.).

pH readings made during the period from 23 February to 26 February, 1953, were made on samples taken back to the field laboratory for analysis with the Beckman pH meter. Samples were discarded if they had stood longer than eight hours or if their temperature had changed  $\pm 3^{\circ}\text{C}$ . The accuracy of these values is believed to be  $\pm 0.1$  pH unit.

Waves: Average height to  $\pm 0.1$  feet and length to  $\pm 1$  foot of highest third of the waves were estimated.

Meteorological data: Air temperatures were taken at each station and winds estimated according to the Beaufort Scale. Cloud cover was included when Secchi disc observations were made.

Current Observations: Current observations prior to 23 June 1953 were made with a Von Arx Current Meter.

Those made after 23 June 1953 were made with a modified chip log. The log consisted of a 6 in x 12 in weighted wooden cross suspended from a light float with light nylon line. The current velocities and directions were computed from observations of the drift of the log during 1 to 3 minute intervals.

Remarks: Remarks on the data of Part II are indicated in the body of the report by a number enclosed in a parenthesis and are listed on Page 147.

PART I. Data collected prior to present study or from other sources.

1. Temperature and salinity data collected by Chesapeake Biological Laboratory from July 1943-May 1946.

Date	EST	Location	Temperature (°C)	Salinity (‰)
7 Aug 43	1545	Rum Harbor (near tump in gut)	24.0	33.4
"	1555	Rum Harbor (mouth of canal)	24.2	33.3
7 Sept 43	1340	Ocean City Inlet	18.8	30.9
"	0845	Martin Bay (off Pummel Pt.)	24.2	32.4
"	0800	Mink Tump (off Johnson Bay)	24.0	32.9
"	0930	Robbin's Marsh (off Public Landing)	24.6	31.9
"	1030	South Pt.	24.6	30.7
"	1130	Robbin Marsh	25.3	30.8
22 May 44	--	Near Assacorkin Island	24.6	26.7
1 June 44	--	Rum Harbor	24.4	27.1
"	--	Girdletree Landing	--	25.1
3 June 44	0915	Ben's Island	28.0	28.1
15 June 44	0930	Great Bay Marsh	22.0	28.6
15 June 44	0900	Striking Marsh	27.0	32.4
24 June 44	0830	Rum Harbor	29.0	29.8
21 Sept 44	1030	Johnson's Bay	23.0	30.4
27 Sept 44	1000	Johnson's Bay	19.0	31.25
26 Oct 44	1210	Johnson's Bay	20.0	24.6

Date	EST	Location	Temperature (°C)	Salinity (‰)
13 Oct 44	1430	Johnson's Bay	22.0	29.75
30 Oct 44	1230	Rock gut (near beach)	10.0	29.95
15 Nov 44	1230	Ben's Island	10.0	31.00
1 Dec 44	1200	Johnson's Bay	11.0	23.4
23 Mar 45	1200	Johnson's Bay	13.5	23.5
26 Mar 45	1230	Center Johnson's Bay	14.0	26.7
4 Apr 45	1200	"	18.0	--
12 Apr 45	1300	"	17.0	28.0
16 Apr 45	1200	"	15.0	--
23 Apr 45	1400	"	14.0	--
2 May 45	1200	"	14.0	29.0
8 May 45	1200	"	17.0	--
15 May 45	1100	"	21.0	--
21 May 45	1300	"	17.0	31.5
28 May 45	1200	"	23.0	--
4 June 45	1100	"	19.0	--
11 June 45	1300	"	23.0	29.9
17 June 45	--	"	25.0	13.2
28 June 45	--	"	26.0	29.9
19 July 45	0930	"	26.0	17.9
"	--	Boxiron Landing	29.5	14.5
"	--	Assacorkin Is.	26.5	20.8
"	--	Rum Harbor	27.0	26.9
"	--	Muddy Thoroughfare	29.5	27.7

Date	EST	Location	Temperature (°C)	Salinity (°/oo)
19 July 45	--	Little Don Channel	29.0	22.7
17 July 45	--	Johnson's Bay	25.0	--
26 July 45	--	"	29.0	25.2
9 Aug 45	--	"	27.0	26.2
20 Aug 45	--	"	27.0	28.6
24 Aug 45	1400	Rum Harbor	26.8	28.8
24 Aug 45	--	Center Bay Opp. Rum Harbor	26.4	29.0
24 Aug 45	1440	Johnson's Bay	26.4	24.6
8 Nov 45	--	Boxiron Landing	12.5	28.5
9 Nov 45	--	Johnson Bay	13.8	26.7
8 Jan 46	--	Johnson's Bay	9.0	24.7
21 Jan 46	--	"	2.0	24.2
29 Jan 46	--	"	0.5	22.2
9 Feb 46	--	"	4.5	23.1
18 Feb 46	--	"	7.0	26.4
28 Feb 46	--	"	8.5	13.2
14 Mar 46	--	"	12.5	28.5
28 Mar 46	--	"	15.0	24.4
5 Apr 46	--	Boxiron Landing	13.6	23.3
1 May 46	--	"	16.4	22.4



PART I. Data collected prior to present study or from other sources.

2. Temperature observations and salinity data obtained from samples collected by Captain Hubert Foulks of the Maryland Tidewater Fisheries Commission in the vicinity of George Island Landing, Md., from 16 January 1948 to 22 July 1952.

Approximate location of stations are:

Parker Bay	38°-02.5'N	75°21.6'W
Midbay	38°-01.8'N	75°19.6'W
Beach	38°-02.1'N	75°16.1'W

DATA COLLECTED IN 1948

Date	Location	Temperature (°C)	Salinity (‰)
16 Jan 48	Parker Bay	--	27.7
	(Near George Is.)	--	29.1
	Mid Chincoteague (East of Geo. Is.) Beach	-0.5	27.3
23 Jan 48	Parker Bay	--	25.5
	Mid Bay	--	27.2
	Beach	2.0	26.8
3 Feb 48	Parker	--	25.9
	Midbay	--	26.7
	Beach	0.0	26.1
17 Feb 48	Parker	--	25.0
	Midbay	--	25.2
	Beach	6.5	26.4
9 Mar 48	Parker	--	21.7
	Midbay	--	26.7
	Beach	6.5	26.1
26 Mar 48	Parker	13.0	22.7
	Midbay	13.0	27.4
	Beach	13.0	25.4
16 Apr 48	Parker	15.0	--
	Midbay	15.0	--
	Beach	15.0	--
26 Apr 48	Parker	--	25.4

Date	Location	Temperature (°C)	Salinity (‰)
30 Apr 48	Parker Midbay Beach	13.5 13.5 13.5	26.1 25.9 26.5
10 May 48	Parker Midbay Beach	19.0 19.0 19.0	27.4 29.0 26.7
24 May 48	Parker Bay	24.0	26.5
5 June 48	Parker Bay Midbay Beach	23.0 23.0 22.0	24.3 26.8 24.0
17 June 48	Parker Bay Midbay Beach	24.0 22.0 22.0	23.4 24.0 24.3
30 June 48	Parker Midbay Beach	32.0 28.0 28.0	26.9 25.8 29.0
1 July 48	Parker	28.5	26.3
18 July 48	Parker Midbay Beach	27.0 27.0 28.0	26.0 28.9 27.8
3 Aug 48	Parker Midbay Beach	26.0 26.0 26.0	30.4 28.4 29.7
4 Aug 48	Parker	27.0	19.2
12 Aug 48	Johnson Bay Ben Is. West side Chinco. Bay Midbay East side of Chinco. Bay Rum Harbor Beach	24.2 -- -- -- --	20.4 26.3 25.8 26.8 25.6
20 Aug 48	Parker Midbay Beach	28.0 28.0 28.0	24.8 27.4 26.3
31 Aug 48	Parker Midbay Beach	31.0 31.0 31.0	25.6 29.0 28.2

Date	Location	Temperature (°C)	Salinity (‰)
21 Sept 48	Parker	--	--
	Midbay	--	28.8
	Beach	--	28.8
22 Sept 48	Parker	20.1	28.2
19 Oct 48	Parker	14.0	24.3
	Midbay	14.0	26.3
	Beach	14.0	24.2
29 Oct 48	Parker	12.0	24.2
1 Nov 48	Parker	14.0	24.4
	Midbay	14.0	25.4
	Beach	14.0	25.2
24 Nov 48	Parker	12.5	23.5
	Midbay	12.5	26.7
	Beach	12.5	24.3
9 Dec 48	Parker	8.5	18.2
	Midbay	8.5	22.7
	Beach	8.5	21.8
22 Dec 48	Parker Bay	7.0	21.0
	Midbay	7.0	22.2
	Beach	7.5	22.4

DATA COLLECTED IN 1949

Date	Location	Temperature (°C)	Salinity (‰)
12 Jan 49	Parker Bay	6.5	20.1
	Midbay	6.0	22.0
	Beach	6.0	21.7
24 Jan 49	Parker Bay	7.0	19.9
	Midbay	7.0	20.1
	Beach	7.0	20.8
27 Jan 49	Parker Bay	8.5	21.0
10 Feb 49	Parker Bay	7.5	19.9
	Midbay	7.5	19.4
	Beach	7.5	20.3
28 Feb 49	Parker Bay	7.0	20.0
	Midbay	7.0	22.7
	Beach	7.0	20.6

Date	Location	Temperature (°C)	Salinity (°/oo)
14 Mar 49	Parker Bay	5.5	19.1
	Midbay	5.5	21.7
	Beach	5.5	20.6
17 Mar 49	Parker Bay	--	18.6
26 Apr 49	Parker Bay	15.7	24.7
29 Apr 49	Parker Bay	18.0	23.7
	Midbay	18.0	25.0
	Beach	18.0	24.3
13 May 49	Parker Bay	--	22.9
	Midbay	--	23.7
	Beach	--	24.6
24 May 49	Parker Bay	24.0	25.4
30 May 49	Parker Bay	21.0	26.1
	Midbay	20.5	27.1
	Beach	20.5	24.8
9 June 49	Parker Bay	23.0	25.8
	Midbay	23.0	27.1
	Beach	23.0	26.1
22 June 49	Parker Bay	31.0	26.0
	Midbay	29.0	29.9
	Beach	29.0	28.9
29 June 49	Parker Bay	--	28.9
14 July 49	Parker Bay	26.5	29.5
"	Midbay	26.0	30.4
"	Beach	26.0	29.1
"	Va. line Midbay	26.0	32.3
"	White Rock Light	26.0	29.0
"	Great Bay Pt. Light	26.0	28.0
"	2 Mi. SE Publ. Land.	26.0	26.1
"	Channel Beacon #39	26.0	26.8
"	Channel Beacon #35	26.0	27.1
"	Channel Beacon #31	26.0	27.1
"	Green Cove Pt.	26.0	27.3
	Sno. Pt. Boat Har.		
22 July 49	Parker Bay	32.5	30.8
	Midbay	30.0	31.1
	Beach	31.0	32.3
1 Aug 49	Parker Bay	28.5	32.1
	Midbay	28.5	32.8
	Beach	28.5	33.7

Date	Location	Temperature (°C)	Salinity (‰)
16 Aug 49	Parker Bay	28.0	31.2
	Midbay	28.0	32.8
	Beach	28.0	32.7
24 Aug 49	Midbay	25.0	32.8
	Beach	25.0	31.9
25 Aug 49	Parker Bay	--	34.2
26 Sept 49	Parker Bay	19.0	32.4
	Midbay	19.0	32.5
	Beach	19.0	33.7
10 Oct 49	Parker Bay	24.0	32.8
	Midbay	24.0	34.0
	Beach	24.0	33.6
18 Oct 49	Parker Bay	17.0	33.0
	Midbay	17.0	33.6
	Beach	17.0	33.0
3 Nov 49	Parker Bay	14.0	29.1
	Midbay	14.0	31.0
	Beach	14.0	27.6
16 Nov 49	Parker Bay	14.0	29.8
	Midbay	14.0	29.8
	Beach	14.0	29.4
3 Dec 49	Parker Bay	7.0	29.5
	Midbay	7.0	--
	Beach	7.0	29.5
12 Dec 49	Parker Bay	6.0	29.9
	Midbay	6.0	30.7
	Beach	6.0	29.9

DATA COLLECTED IN 1950

Date	Location	Temperature (°C)	Salinity (‰)
4 Jan 50	Parker Bay	10.5	29.8
	Midbay	10.5	31.1
	Beach	10.5	31.1
20 Jan 50	Parker Bay	5.0	29.5
	Midbay	5.0	30.3
	Beach	5.0	30.2

Date	Location	Temperature (°C)	Salinity (‰)
22 Feb 50	Parker Bay	3.5	28.6
	Midbay	3.5	29.7
	Beach	3.5	28.9
6 Mar 50	Parker Bay	5.5	28.1
	Midbay	5.5	29.1
31 Mar 50	Parker Bay	8.5	26.9
	Midbay	8.5	28.2
	Beach	--	28.6
27 Apr 50	Parker Bay	16.0	29.3
	Midbay	16.0	29.5
	Beach	16.0	29.9
5 June 50	Parker Bay	21.5	30.6
	Midbay	21.5	30.3
	Beach	21.5	29.7
13 June 50	Parker Bay	--	31.5
29 June 50	Parker Bay	26.0	33.2
	Midbay	26.0	33.7
	Beach	26.0	--
12 July 50	Parker Bay	28.0	32.5
	Midbay	28.0	32.7
	Beach	28.0	32.9
18 Aug 50	Parker Bay	31.8	26.0
	Midbay	31.8	26.0
	Beach	31.9	26.0
3 Sept 50	Parker Bay	28.0	33.2
	Midbay	28.0	32.9
	Beach	28.0	33.2
26 Sept 50	Parker Bay	16.0	32.8
	Midbay	16.0	33.2
	Beach	14.3	31.1
24 Oct 50	Parker Bay	17.5	32.3
	Midbay	17.5	32.8
	Beach	17.5	32.4
9 Nov 50	Parker Bay	9.5	30.4
	Midbay	9.5	33.0
	Beach	9.5	32.4
27 Nov 50	Parker Bay	5.0	29.8
	Midbay	5.0	30.8
	Beach	5.0	30.7

Date	Location	Temperature (°C)	Salinity (‰)
8 Dec 50	Parker Bay	8.5	29.5
	Midbay	8.5	30.8
	Beach	8.5	30.8
12 Dec 50	Parker Bay	4.0	28.5
20 Dec 50	Beach	4.0	29.76
"	Midbay	4.0	30.28
	Parker Bay	4.0	29.22

DATA COLLECTED IN 1951

Date	Location	Temperature (°C)	Salinity (‰)
2 Jan 51	Beach	1.0	30.37
"	Midbay	1.0	30.23
"	Parker	1.0	29.60
18 Jan 51	Beach	2.0	29.67
"	Midbay	2.0	30.07
"	Parker Bay	2.0	29.20
2 Feb 51	Beach	6.0	27.61
"	Midbay	6.0	29.02
"	Parker	6.0	27.95
16 Feb 51	Beach	7.0	27.63
"	Midbay	7.0	27.61
"	Parker Bay	7.0	28.21
2 Mar 51	Beach	8.0	28.42
"	Midbay	8.0	27.43
"	Parker Bay	8.0	27.68
21 Mar 51	Beach	8.5	27.97
"	Midbay	8.5	26.00
"	Parker Bay	8.5	26.22

Date	Location	Temperature (°C)	Salinity (o/oo)
24 Aug 51	Parker Bay	25.0	35.41
"	Midbay	26.0	35.10
"	Beach	25.0	35.05
3 Sept 51	Parker Bay	22.5	35.10
"	Midbay	22.0	34.04
"	Beach	22.5	35.79
12 Sept 51	Parker Bay	13.5	30.86
"	Midbay	15.0	33.46
"	Beach	15.5	32.38
9 Nov 51	Parker Bay	10.6(0) 10.8(Bot.)	29.20 29.56
21 Nov 51	Parker Bay	3.9(0) 3.3(Bot.)	29.43 29.43
30 Nov 51	Parker Bay	5.0	28.64
3 Dec 51	Parker Bay Midbay Beach	6.5 7.0 7.5	29.67 29.42 29.13

DATA COLLECTED IN 1952

Date	Location	Temperature (°C)	Salinity (o/oo)
3 Jan 52	Parker Bay	7.8	25.52
1 Feb 52	Beach Midbay Parker Bay	4.0 4.0 4.5	26.29 25.82 23.35
14 Feb 52	Beach Midbay Parker Bay *	4.5 4.5 4.0	26.06 26.22 24.11
29 Feb 52	Beach Midbay	6.0 5.5	24.92 24.65

\*George Island Landing



Date	Location	Temperature (°C)	Salinity (‰)
21 Mar 52	Beach	9.5	24.18
"	Midbay	10.5	24.99
"	Parker Bay	12.5	22.74
8 Apr 52	Beach	12.0	26.71
"	Midbay	12.0	21.46
"	Parker	12.0	23.01
6 May 52	Beach	22.5	26.49
"	Midbay	22.5	24.94
"	Parker	24.0	27.72
18 June 52	Geo. Is. Landing	28.0	28.57
"	White Rock	28.0	28.92
"	Rum Harbor	30.0	27.54
7 July 52	Geo. Is. Landing	27.0	30.10
"	Beach	28.5	28.37
15 July 52	Geo. Is. Landing	29.5	31.08
"	White Rock	28.5	30.84
"	Beach	30.5	30.16
22 July 52	Geo. Is. Landing	34.0	31.71
"	White Rock	32.0	30.82
"	Beach	33.0	29.94

## Part II - 13 June 1951

Station	EST	Air Temp (°C)	Wind	Depth (ft)	Water Temp (°C)	Sal (°/oo)	Turbidity (m <sup>4</sup> )										
							350	400	450	500	550	600	650	667	700	750	800
05.9-18.8 (38) (75) Rattlesnake Landing	1330	16.4	E-4	0	18.9	24.22	1.620	1.180	1.013	.947	.848	.777	.772	.742	.728	.664	.633
08.9-17.0 Public Landing	1030	16.4	E-4	0	18.6	23.96	1.886	1.431	1.276	1.137	1.036	.971	.925	.921	.886	.851	.824
19.5-05.3 Sea Wall Ocean City Inlet	0855	16.4	E-4	0	17.5	29.37	.1961	.1514	.1292	.101	.096	.088	.084	.083	.087	.082	.077
19.6-06.0 Comm. Fish Dock W. Ocean City	0820	16.4	E-4	0	18.0	29.40	.368	.254	.214	.188	.166	.151	.151	.152	.152	.139	.138
19.8-05.1 Beach, Ocean City	0930	16.4	E-4	0	17.7	29.94	.551	.425	.388	.339	.316	.280	.253	.249	.237	.214	.200
19.9-05.4 Buntings Pier, Ocean City	0845	16.4	E-4	0	17.7	29.20	.227	.167	.142	.119	.101	.090	.083	.080	.077	.070	.064

## Part II - 2 20 August to 22 August 1951

Station	Date	EST	Depth (ft)	Air Temp (°C)	Wind	Water Temp (°C)	Sal (°/oo)
56.2-22.5 (37) (75)	20 Aug	1540	0	27.6	SSE-2	28.2	31.94
Chincoteague Channel			21			28.1	32.01
58.8-18.4 (37) (75)	22 Aug	1012	0	29.4	NNW-2	26.8	32.63
Wildcat Point			4½			26.8	32.65
59.7-21.0	22 Aug	1350	0 4 8	31.70	NNW-2	27.8 27.8 27.8	33.05 33.05 33.17
00.2-22.2 (38) (75)	22 Aug	1405	0 6½	31.70	NNW-2	27.9 27.9	32.26 32.31
00.3-17.0	22 Aug	0947	0 4½	28.9	NNW-2	26.7 27.0	33.19 33.26
00.7-18.0	22 Aug	0935	0 3	29.8	NNW-2	26.9 27.0	32.97 32.97
01.5-20.1	22 Aug	0910	0 4 7	--	NNW-2	27.1 27.1 27.1	32.59 32.73 32.73
01.8-19.7	21 Aug	0955	0 4 7	28.4	S-3	27.3 -- 27.7	32.66 32.68 32.74
02.0-21.2 Ent. Parker Bay	21 Aug	0937	0 3	27.8	S-3	27.1 --	31.78 31.78
02.0-21.2	22 Aug	0845	0 4	25.6	NNW-2	26.5 --	31.98 32.09
02.8-21.2	21 Aug	0920	2	25.8	S-3	27.1	31.89
03.4-16.1 Striking Marsh	22 Aug	1222	0 5	25.2	NNW-3	26.7 26.3	33.17 33.17

Station	Date	EST	Depth (ft)	Air Temp (°C)	Wind	Water Temp (°C)	Sal (°/oo)
03.6-17.7 (38) (75) N. of White Island	21 Aug	1035	0 4	28.5	S-3	27.7 27.7	32.88 32.84
03.6-17.7	22 Aug	1245	0 6	31.6	NNW-3	27.8 27.8	32.52 32.66
04.1-20.7	21 Aug	0830	0 4	26.0	S-3	27.1 27.0	30.86 30.82
05.7-18.8	21 Aug	0800	2	27.2	SSW-2	26.7	30.82
05.7-18.8	21 Aug	1155	2	33.8	S-3	28.2	31.20
06.3-18.3 Furnell Pond	21 Aug	1130	2	30.8	S-3	28.2	30.12
08.9-17.0	21 Aug	1532	0 4	31.0	S-3	29.0 --	30.18 30.18
12.8-11.3 Sq. Point	21 Aug	1630	0 4	30.5	S-4	28.3 --	29.22 29.22
19.1-06.4	23 Aug	1320	0 20	28.6	N-2	23.9 23.9	31.22 31.02
19.4-05.5  Ocean City Inlet	23 Aug	1343	0  10 18	28.6	N-2	23.7  23.7 23.7	30.97  30.99 31.08
19.5-05.3 Sea Wall Ocean City	21 Aug	1730	0	--	--	--	30.97
21.8-05.3	23 Aug	1140	4	28.6	N-1	24.5	30.59
23.1-07.0 St. Martins River Ent.	23 Aug	1030	4	26.6	N-1	26.4	28.96
24.2-08.5	23 Aug	1102	4	26.6	N-1	26.5	27.99

## Part II-3 13 September to 28 September 1951

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (°/oo)	C <sub>2</sub> (ml/L)	C <sub>2</sub> Def (ml/L)	Current	
										Dir (°T)	Vel (kts)
52.6-23.5 (37) (75) Fishing Pt.	28 Sept	1100	21.2	NW-3	0	22.7	32.07	--	--		Slack
					4	22.7	32.07	--	--	170	Slack
					10	--	--	--	--		.53
					17	22.7	32.07	4.25	-.93	170	Slack
					25	--	--	--	--	170	.50
53.7-23.0 Assateague Pt.	21 Sept	1320	27.1	S-2	36	--	--	--	--	170	.50
					0	24.9	31.6	--	--		Slack
					5	24.7	31.6	--	--		Slack
					10	24.6	31.5	4.67	-.38		Slack
					18½	24.5	31.5	4.15	-.91		Slack
53.8-25.4 Chincoteague Pt.	28 Sept	1025	22.0	NW-3	0	22.4	31.96	--	--	180	.88
					4	22.4	31.96	--	--	180	.80
					10	22.4	31.96	--	--	180	.83
					14	22.4	31.96	4.83	-.41		Slack
54.5-22.9	21 Sept	1240	26.9	S-2	0	24.7	32.0	--	--	350	.55
					5	24.6	32.0	--	--	350	.55
					10	24.4	31.9	4.84	-.21	350	.55
					18	24.2	31.6	4.67	-.41	350	.30
55.0-23.7	28 Sept	0935	20.9	NW-4	0	22.5	31.80	--	--	225	1.53
					4	22.7	32.03	--	--	225	1.18
					10	22.7	--	--	--	225	.95
					15	22.7	32.03	4.26	-.94	225	.82
					20	--	--	--	--	225	.82
56.0-24.9 Queen Sound Bridge	28 Sept	1220	23.3	NW-3	25	--	--	--	--	225	.72
					30	--	--	--	--	225	.71
					0	22.3	32.18	--	--	140	2.32
					4	22.4	32.18	--	--	140	2.05
					15	22.4	32.18	4.08	-1.16	140	.98
					23	--	--	--	--	140	.78

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Current	
										Dir (°T)	Vel (kts)
56.2-22.5 (37) (75)	28 Sept	1405	22.4	NW-3	0 4 18½	22.6	32.66	--	--	225	.42
						22.7	32.66	--	--	225	.40
						22.6	32.66	-1.21	-1.21	225	.42
58.1-23.5	28 Sept	1320	23.9	NW-3	0 6	22.7	33.06	--	--	225	.20
						22.6	33.06	- .70	- .70		Slack
59.7-21.0	13 Sept	0940	--	S-3	0 4 8	25.1	32.68	--	--	225	.21
						25.1	33.13	--	--	225	.26
						25.1	33.13	-1.48	-1.48	225	.11
00.2-22.2 (38) (75) Long Point	13 Sept	0910	27.6	S-3	0 4 6	25.1	33.13	--	--	180	.20
						25.2	33.30	--	--	180	.20
						25.3	33.30	- .93	- .93	180	.10
00.3-17.0 Ragged Point	13 Sept	1235	28.6	S-4	0 4	25.8	34.27	--	--	--	--
						25.7	34.27	- .27	- .27	--	--
00.7-18.0	13 Sept	1115	--	S-4	0 4	25.5	33.40	--	--		Slack
						25.5	33.40	- .33	- .33		Slack
01.2-18.9	13 Sept	1055	--	S-3	0 4 7	24.9	33.87	--	--		Slack
						--	34.00	--	--		Slack
						25.4	34.20	- .88	- .88		Slack
01.5-20.1	13 Sept	1017	--	S-3	0 4 7	25.3	33.68	--	--	190	.30
						--	33.68	--	--	190	.50
						25.2	33.68	- .54	- .54	190	.42
01.8-19.7	14 Sept	1210	24.9	S-4	0 4 6½	25.7	33.89	--	--	--	--
						25.7	33.89	--	--	--	--
						25.6	33.89	--	--	--	--

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Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (°/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Current	
										Dir (°)	Vel (kts)
08.9-17.0 (38) (75) Public Landing	19 Sept	1540	23.7	S-3	0 4	23.3 23.1	32.1 32.4	-- 3.92	-- -1.22		Slack Slack
12.1-11.4 Beacon "31"	20 Sept	1020	29.3	S-2	0 4 7½	22.7 22.3 22.3	31.0 31.5 31.6	-- -- 4.83	-- -- .42	22.0 22.0 22.0	.65 .53 .32
12.3-13.5	20 Sept	1105	27.9	S-2	0 4 6	23.1 22.7 22.6	31.2 31.5 31.4	-- -- 4.93	-- -- -.30		Slack Slack Slack
12.4-14.7 Hardy Hammock	20 Sept	1200	26.8	S-2	0 4 6	23.4 23.2 23.0	31.2 31.2 30.3	-- -- 3.76	-- -- -1.46		Slack Slack Slack
13.3-10.4 Beacon "27"	26 Sept	1230	21.5	N-4	0 4 7	22.3 22.4 22.3	31.40 31.40 31.55	-- -- 4.36	-- -- -.91	-- -- --	-- -- --
13.8-12.2 Knot Pt.	20 Sept	1410	25.4	S-3	0 4 6½	23.8 23.7 23.7	30.0 29.9 29.8	-- -- 4.95	-- -- -.21		Slack Slack Slack
13.9-14.4	20 Sept	1250	30.8	S-2	0 5½	23.7 23.3	29.7 29.9	-- 5.44	-- .24		Slack Slack
14.2-09.4 Beacon "21"	26 Sept	1205	21.7	N-4	0 4 9	22.2 22.3 22.3	31.82 31.82 31.73	-- -- 4.39	-- -- -.85	-- -- --	-- -- --
15.0-11.9 Trappe Creek Ent.	20 Sept	1340	29.2	S-3	0 4½	23.7 23.6	25.3 25.3	-- 4.29	-- -1.15	045 045	.03 .03



Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (g/kg)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	Current Dir (°T)	Current Vel (kts)
20.5-07.2 1-1/2 hr of Wight #2 <sup>u</sup>	1025	25.6	SW-1	0 4 7	23.7 23.6 23.6	31.36 31.36 31.36	-- -- 4.08	-- -- -1.05	030 030 030	.95 .90 .90
21.8-05.3 1-1/2 hr of Wight #5 <sup>u</sup>	1100	24.0	N-3	0 4 6 1/2	23.7 23.7 23.7	31.40 31.40 31.0	-- -- 4.18	-- -- -.96	340 340 340	.15 .15 .15
23.1-07.0 St. Martins River Ent.	1220	23.9	N-3	0 4 6 1/2	24.3 24.3 24.3	29.69 29.0 29.92	-- -- 3.21	-- -- -1.92	140 140 140	.31 .31 .31
23.4-05.5	1545	23.3	S-3	0 6 1/2	22.1 22.1	30.48 30.48	-- 4.23	-- -1.09	(3) (#)	
24.2-08.5	1250	25.7	N-2	0 5 1/2	24.6 24.4	28.8 28.5	-- 3.77	-- -1.52	130 130	.15 .15
24.3-11.5	1400	24.0	N-1	0 3	26.2 26.2	21.73 22.0	-- 2.01	-- -3.21	Slack Slack	
24.5-10.3	1330	23.9	N-2	0 4 1/2	25.1 25.1	23.4 23.8	-- 2.57	-- -2.69	Var.	Light
24.7-05.0	1515	23.4	S-3	0 5 1/2	22.4 22.4	30.16 30.37	-- 3.62	-- -1.65	000 000	.18 .18
25.5-04.9	1451	23.7	S-3	0 5	22.3 22.2	29.81 29.81	-- 3.48	-- -1.85	Slack Slack	
26.7-04.0	1345	24.3	S-3	0 4 13	22.7 22.7 22.7	29.14 29.25 29.25	-- -- 3.34	-- -- -1.94	225 225 225	.76 .60 .51
26.9-04.8	1405	24.2	S-3	0 5 1/2	22.4 22.4	29.02 29.14	-- 4.19	-- -1.14	Slack Slack	
27.2-03.8	1320	24.6	S-3	0 4 13	22.7 22.7 22.8	28.60 28.60 28.95	-- -- 3.83	-- -- -1.40	190 190 190	.53 .53 .63

Part II-4 22 October to 7 November 1951

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
ASSATEAGUE CHANNEL 53.7-23.0 (37) (75) Assateague Pt.	23 Oct	1215	21.9	NE-2	0	18.3	31.56	--	--
					4	18.1	31.56	--	--
					14	18.3	31.56	3.60	-2.03
54.5-22.9	23 Oct	1235	20.9	NE-3	0	18.3	31.55	--	--
					4	18.3	31.55	--	--
					10	18.2	31.55	--	--
					19	18.3	31.74	3.78	-1.85
54.8-21.4 Assateague Lighthouse Pier	23 Oct	1255	21.3	NE-3	0	17.8	31.71	--	--
					4	17.8	31.71	--	--
					10	17.8	31.71	--	--
					19	17.8	31.71	4.01	-1.64
55.8-20.5	23 Oct	1320	20.2	NE-3	0	17.8	31.74	--	--
					4	17.8	31.74	--	--
					14	18.1	31.74	3.91	-1.73
56.6-19.0	23 Oct	1400	21.1	NE-3	0	18.3	31.53	--	--
					4	18.3	31.64	--	--
					8	18.3	31.64	5.44	- .16
57.9-19.6	23 Oct	1435	20.1	NE-2	0	19.2	31.60	--	--
					4	19.2	31.60	--	--
					7	19.9	31.60	4.00	-1.46
58.8-18.4 Wildcat Pt.	23 Oct	1510	19.9	NE-2	0	18.3	31.11	--	--
					5	18.3	31.26	3.30	-2.33

Stat. (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (‰)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
<u>CHINCOTEAGUE BAY AND INLETS</u>									
52.6-23.5 (37) (75) Fishing Pt.	24 Oct	1115	20.8	S-3	0	18.2	30.90	--	--
					4	18.3	30.99	--	--
					10	18.2	31.26	--	--
					33	18.3	31.46	3.65	-1.97
53.8-25.3 Chincoteague Pt.	24 Oct	1050	21.8	S-3	0	18.2	32.00	--	--
					4	18.2	32.00	--	--
					10	18.3	32.00	3.94	-1.66
55.0-23.7	24 Oct	1025	21.9	S-3	0	18.2	32.01	--	--
					4	18.3	32.01	--	--
					10	18.2	32.01	--	--
					33	18.3	32.01	3.68	-1.92
5.60-24.9 Queen Sound Bridge	24 Oct	1155	23.3	S-3	0	18.2	32.30	--	--
					4	18.3	32.38	--	--
					10	18.3	32.48	--	--
					20	18.5	32.54	4.49	-1.09
56.2-22.5	24 Oct	1340	20.9	S-3	0	18.3	32.03	--	--
					4	18.6	32.12	--	--
					10	18.6	32.25	--	--
					20	19.2	32.25	2.94	-2.58
57.2-21.5	24 Oct	1325	20.6	S-3	0	19.4	31.78	--	--
					5	19.7	31.78	4.21	-1.26
58.1-23.5	24 Oct	1255	20.6	S-3	0	19.2	32.61	--	--
					5	19.4	32.61	4.47	-1.00
58.8-25.5	24 Oct	1230	23.9	S-3	0	19.2	32.43	--	--
					5	19.2	32.43	5.08	-0.44

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> De: (mL/L)
<u>CHINCOTEAGUE BAY AND INLETS</u>									
59.7-21.0 (37) (75)	22 Oct	1040	18.3	E-3	0 4 8½	17.2 17.2 17.5	32.81 32.81 32.81	-- -- 4.52	-- -- -1.12
00.0-26.5 (38) (75) Swans Cut Cr. Bridge	24 Oct	1450	21.7	S-3	0 6	20.6 20.6	12.27 12.27	-- 3.84	-- -2.22
00.2-22.2 Long Pt.	22 Oct	1025	18.3	E-3	0 4 8	17.2 17.2 17.5	32.16 32.50 32.50	-- -- 4.13	-- -- -1.53
00.3-17.0	22 Oct	1155	17.2	E-3	0 4	17.4 17.6	31.04 31.04	-- 4.14	-- -1.59
00.7-18.0	22 Oct	1125	17.2	E-3	0 4 7	17.4 17.2 17.5	32.72 32.72 32.72	-- -- 4.97	-- -- -.69
01.5-20.1	22 Oct	1110	18.3	E-3	0 4 7½	17.3 17.2 17.5	32.72 32.72 32.72	-- -- 4.41	-- -- -1.23
02.0-16.7 Cedar Islands	22 Oct	1220	17.2	NE-3	0 5	17.6 17.4	31.56 31.80	-- 3.56	-- -2.12
02.0-21.2 Parker Bay Ent.	22 Oct	0950	18.3	E-3	0 4½	17.2 16.8	32.16 32.47	-- 4.93	-- -.79

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
02.0-21.2 (38) (75)	29 Oct	1600	13.0	W-2	0 5½	16.7 16.4	32.43 32.43	-- 4.31	-- -1.45
02.5-21.6 George Is. Landing	25 Oct	1100	--	NW-3	3	18.1	31.94	--	--
02.5-21.6	7 Nov	1430	18.9	SSE-5	0	13.3	28.40	--	--
02.8-21.2	22 Oct	1355	18.3	NE-3	0 3	18.2 18.2	32.43 32.43	-- 3.88	-- 1.72
03.4-16.1 Striking Marsh	22 Oct	1245	17.2	NE-3	0 4 7	17.5 17.5 17.5	31.35 31.35 31.35	-- -- 3.93	-- -- -1.77
03.6-18.4	22 Oct	1305	18.9	NE-3	0 4 6½	17.8 17.8 17.8	31.91 31.91 32.01	-- -- 4.12	-- -- -1.52
03.6-18.4	29 Oct	1550	13.6	W-2	0 4 6½	16.7 16.4 16.1	32.29 32.29 32.29	-- -- 4.46	-- -- -1.37
03.9-19.5 Johnson Bay Ent.	22 Oct	1320	18.9	NE-3	0 5½	17.6 17.7	31.89 31.89	-- 4.47	-- -1.18
03.9-19.5	29 Oct	1110	13.5	NNW-2	0 5	16.4 16.4	32.36 32.36	-- 3.94	-- -1.85
04.0-20.7 Johnson Bay	22 Oct	1340	18.3	NE-3	0 5	17.8 17.9	32.43 32.68	-- 3.64	-- -1.98

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (‰)	O <sub>2</sub> (ml/L)	O <sub>2</sub> De. (ml/L)
04.0-20.7 (38) (75)	29 Oct	1050	13.6	NNW-2	0 4	15.3 15.0	32.36 32.47	-- 3.77	-- -2.16
05.0-13.4 Green Run Bay	29 Oct	1445	14.6	W-2	0 5	15.8 15.6	31.46 31.87	-- 4.29	-- -1.48
05.1-18.2 Martin Bay	29 Oct	1150	13.7	NNW-2	0 3	16.4 16.4	32.05 32.05	-- 4.30	-- -1.51
05.2-16.6	29 Oct	1550	13.6	W-2	0 6½	16.7 16.7	31.73 31.73	-- 4.45	-- -1.32
05.4-19.7 Brookton norton Bay	29 Oct	1130	13.7	NNW-2	0 4½	16.1 15.8	32.29 32.34	-- 4.53	-- -1.32
05.9-18.9 Rattlesnake Landing	25 Oct	0930	--	NW-3	3	18.6	31.76	--	--
05.9-18.9	1 Nov	1615	8.9	N-4	0 4	15.6 16.0	31.38 31.38	-- --	-- --
05.9-18.9	6 Nov	0945	7.8	NE-6	0 5	7.8 8.0	29.45 29.45	-- --	-- --
06.0-16.8	29 Oct	1210	13.8	NNW-2	0 4 8	16.4 16.4 16.4	32.18 32.18 32.18	-- -- 4.32	-- -- -1.48
06.2-13.2	29 Oct	1425	14.4	W-2	0 4	16.1 15.8	31.55 31.55	-- 3.95	-- -1.94



ation (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O Def (mL/L)
07.4-12.0 (38) (75)	29 Oct	1405	14.9	W-2	0 4 6	15.6	31.67	--	--
						15.4	31.56	--	--
						15.4	31.47	4.45	-1.48
07.7-17.0	29 Oct	1235	13.7	NNW-2	0 4 7	16.7	31.76	--	--
						16.4	31.84	--	--
						16.1	31.84	4.26	-1.59
07.9-13.8	29 Oct	1345	14.9	NW-2	0 4 6½	16.7	31.58	--	--
						16.4	31.69	--	--
						16.4	31.69	4.76	-1.06
08.4-15.5	29 Oct	1325	14.9	NW-2	0 4 8½	16.7	31.87	--	--
						16.9	31.87	--	--
						16.7	31.87	4.43	-1.33
08.9-17.0 Public Landing	29 Oct	1305	14.9	NW-2	0 3	16.1	31.65	--	--
						16.4	31.60	3.87	-1.96
08.9-17.0	1 Nov	16.15	8.9	NW-4	0 4	15.6	31.38	--	--
						16.0	31.38	--	--
08.9-17.0	7 Nov	1045	15.6	SSE-5	0 4	12.5	29.83	--	--
						12.8	29.83	4.86	-1.41
10.1-14.2 Beacon "39"	31 Oct	1255	18.4	SW-2	0 4 7½	16.2	31.78	--	--
						16.4	31.78	--	--
						16.7	31.78	4.29	-1.49
10.6-11.9	31 Oct	1215	18.4	SW-2	0 2½	15.8	--	--	--
						16.4	31.60	4.90	- .92

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O Del' 2 (mL/L)
11.0-12.8 Beacon "35" (38) (75)	31 Oct	1150	18.5	SW-2	0 4 7½	16.0 15.7 15.8	31.42 31.58 31.46	-- -- 3.45	-- -- -2.43
11.3-15.0 Kelly Pt	31 Oct	1320	20.5	SSW-2	0 4 7	16.7 16.7 16.7	31.55 31.55 31.55	-- -- 5.53	-- -- - .24
11.8-09.2 Eastern Ferry Dock	31 Oct	1045	19.7	S-2	0 4½	15.6 15.6	30.91 30.91	-- 3.74	-- -2.19
12.1-11.4 Beacon #31	31 Oct	1125	19.5	SW-2	0 4 10	15.6 15.7 15.8	31.35 31.35 31.35	-- -- 4.58	-- -- -1.30
12.4-14.7	31 Oct	1335	22.2	SSW-2	0 6	16.7 16.7	31.13 31.13	-- 3.98	-- -1.82
13.8-12.2	31 Oct	1445	19.1	SSW-2	0 4 6½	16.7 16.7 16.7	31.27 31.27 31.27	-- -- 4.78	-- -- -1.00
13.9-13.4	31 Oct	1355	22.9	SSW-2	0 4½	16.7 16.7	30.95 30.95	-- 5.28	-- - .49
15.2-11.6	31 Oct	1420	21.6	SSW-2	0 4	16.9 16.9	30.19 30.19	-- 5.54	-- - .28
17.6-09.7 Ayres Creek Bridge	31 Oct	1615	18.7	SW-2	0 5	17.2 17.2	22.29 31.53	-- 4.33	-- -1.43

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
17.6-09.7 (38) (75)	5 Nov	1630	9.4	N-2	0 5	9.7 9.7	18.68 18.91	-- 3.09	-- -4.11
<u>SINEPUXENT BAY</u>									
13.3-10.4 Beacon "27"	31 Oct	1615	18.7	SW-2	0 4 8	16.1 16.2 16.4	31.11 31.11 31.11	-- -- 4.54	-- -- -1.30
13.3-10.4	5 Nov	1220	11.0	N-2	0 4 8	8.9 8.9 8.9	30.62 30.50 30.50	-- -- 5.42	-- -- -1.34
14.2-09.4 Beacon "21"	5 Nov	1240	8.2	N-2	0 4 8	8.3 8.6 8.6	29.51 29.90 30.08	-- -- 3.63	-- -- -3.19
15.9-08.4 Beacon "15"	5 Nov	1310	8.3	N-3	0 4 6 8	9.7 9.7 9.7 8.9	30.12 30.12 -- 30.21	-- -- -- 3.71	-- -- -- -3.21
17.0-07.8 Beacon "13"	5 Nov	1335	8.6	N-2	0 4 8 $\frac{1}{2}$	12.5 12.6 11.7	30.91 30.91 30.91	-- -- 3.33	-- -- -3.03
18.0-06.9 Beacon "8"	5 Nov	1400	8.9	N-2	0 4 8	13.9 13.6 12.8	31.31 31.31 31.31	-- -- 3.26	-- -- -2.95
19.2-06.4 Beacon "5"	5 Nov	1420	9.7	N-2	0 4 6 10 15	13.9 14.2 14.2 14.2 13.3	31.29 31.38 -- 31.38 31.29	-- -- -- -- 3.39	-- -- -- -- -2.77

Station (Lat.-Long.)	Date	Time (Est)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
<u>OCEAN CITY INLET</u> 19.3-05.3 (38) (75) Beacon "7"	5 Nov	1500	9.4	N-2	0 4 10 20	13.9	31.42	--	--
						13.9	31.42	--	--
						13.9	31.26	--	--
						13.6	31.26	3.29	-2.85
20.8-04.6 Surf Ocean City	6 Nov	1105	8.9	N-6	0	12.2	31.18	--	--
<u>ISLE OF WIGHT BAY</u> 20.3-07.8 Herring Creek Bridge	30 Oct	1620	15.6	0	0 5	15.6	27.88	--	--
						15.7	27.88	3.04	-2.98
20.3-07.8 Herring Creek Bridge	5 Nov	1630	9.4	N-2	0 5	10.0 10.0	24.88 24.98	-- 3.42	-- -3.45
20.5-05.2 Beacon "2"	30 Oct	1125	19.0	0	0 4 11	16.8	31.51	--	--
						16.7	31.51	--	--
						17.2	31.51	4.85	-1.00
21.5-06.4	30 Oct	1510	15.6	SE-1	0 5	15.3	30.50	--	--
						15.3	30.66	3.04	-2.92
21.8-05.3 Beacon "5"	30 Oct	1155	18.1	S-1	0 4 6	16.7	31.58	--	--
						16.4	31.49	--	--
						16.4	31.49	2.97	-2.85
<u>ST. MARTINS RIVER</u> 23.1-07.0	30 Oct	1215	1.72	S-2	0 4 6 $\frac{1}{2}$	15.0	29.49	--	--
						15.0	29.60	--	--
						15.6	30.48	4.14	-1.80

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
24.2-08.5 (38) (75)	30 Oct	1240	17.6	SE-2	0 5½	15.0 15.3	27.63 27.77	-- 3.82	-- -2.26
24.5-10.3	30 Oct	1300	16.8	0	0 5	15.8 15.6	25.30 26.26	-- 3.77	-- -2.33
24.3-11.5 Shingle Pt.	30 Oct	1320	16.9	SE-2	0 3	17.5 17.2	19.63 23.87	-- 3.13	-- -2.89
25.1-11.2	30 Oct	1410	16.9	SE-2	0 4½	16.7 16.7	23.12 23.69	-- 3.35	-- -2.83
25.7-11.4	30 Oct	1355	17.4	SE-2	0 1	17.5 17.8	-- 18.12	-- --	-- --
26.5-11.6 Bridge Bishopville	6 Nov	1250	8.9	NE-6	0	9.3	.13	--	--
ASSAWOMAN BAY 26.9-06.6 Bridge	6 Nov	1200	8.9	NE-6	0	10.7	6.42	--	--
27.0-05.1	6 Nov	1210	8.9	NE-6	0	8.4	27.00	--	--
27.2-08.3	6 Nov	1235	8.9	NE-6	0	9.3	.07	--	--
27.1-03.9 Bridge Fenwick Is.	6 Nov	1035	8.9	NE-6	0 4 15	8.1 7.5 7.8	26.06 25.86 25.86	-- -- 4.58	-- -- -2.59

Part II-5 9 November to 1 December 1951

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
55.3-23.4 (37) (75) Shore Chinco- tsague Island	23 Nov	--	--	--	0	--	28.87	--
56.1-22.8 Bridge Chinco- tsague Channel	12 Nov	--	17.2	NW-2	0 6	12.6 12.8	31.02 31.02	Ebbing
00.0-17.3 Swans Cut Creek Bridge	12 Nov	--	18.3	NW-2	0 6	11.1 11.1	4.07 4.81	Ebbing
02.5-21.6 (38) (75) George Island Landing	9 Nov	--	12.8	NW-2	0 3	11.1 11.7	28.14 28.14	-- --
02.5-21.6	21 Nov	--	6.1	NW-2	0 3	3.9 3.3	29.43 29.43	-- --
02.5-21.6	23 Nov	1200	14.4	SW-5	0 3	6.7 6.1	30.87 30.87	-- --
02.5-21.6	23 Nov	1500	14.4	SW-5	0	9.4	29.65	--
02.5-21.6	26 Nov	--	2.8	NW-5	0	8.9	29.05	Ebbing
02.5-21.6	30 Nov	--	--	0	0	5.0	28.64	Flooding
05.9-18.9 Rattlesnake Landing	9 Nov	--	14.4	NW-2	0	10.6	29.20	--
05.9-18.9	13 Nov	--	15.3	NW-2	0 3	11.7 11.7	28.59 28.59	Ebbing
05.9-18.9	16 Nov	--	20.0	SW-4	0	15.6	28.26	Flooding

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
(38) (75) 05.9-18.9	1 Dec	--	--	0	0 3	7.2 7.2	28.68 28.68	-- --
08.9-17.0 Public Landing	20 Nov	--	6.1	NW-2	0 4	3.3 3.3	30.08 30.08	Flooding
12.8-11.3 South Pt.	13 Nov	--	18.3	SE-4	0 4	12.2 11.1	29.61 29.61	Ebbing
19.7-05.5 W. Ocean City - Old Bridge	13 Nov	--	17.8	ESE-2	0 4 10	12.8 12.8 12.9	31.31 31.31 31.31	Ebbing

## Part II-6 3 December to 13 December 1951

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Tide
<u>CHINCOTEAGUE BAY &amp; INLETS</u>										
52.6-23.5 (37) (75) Fishing Pt.	3 Dec	1335	12.0	SE-2	0 4 10 37	9.3 9.3 9.1 9.1	31.42 31.42 31.62 31.62	-- -- -- 3.74	-- -- -- -2.92	Beginning of ebb
53.8-25.4	3 Dec	1305	13.3	S-2	0 4 16	8.9 8.9 8.9	31.67 31.67 31.67	-- -- 3.98	-- -- -2.76	Flood
55.0-23.7	3 Dec	1510	12.2	S-1	0 4 10	9.2 9.2 9.6	31.62 31.62 31.62	-- -- 3.79	-- -- -2.79	Beginning of ebb
56.0-24.7 Queen Sound Bridge	3 Dec	1230	14.9	S-3	0 4 10 23	8.3 8.6 8.6 8.7	31.58 31.58 31.58 31.58	-- -- -- 6.77	-- -- -- + .04	Flood
56.1-22.8 Bridge Chincoteague Channel	4 Dec	1125	18.4	SE-3	0 6	8.6 8.9	31.29 31.29	-- --	-- --	-- --
57.5-22.8	4 Dec	1150	16.2	SE-3	0 6	8.3 9.4	30.81 30.81	-- 4.23	-- -2.39	-- --
58.6-23.0 Beacon "4"	4 Dec	1210	15.7	SE-3	0 6	7.5 8.9	31.18 31.18	-- 4.45	-- -2.28 <sup>28</sup>	-- --
58.8-18.4 Wildcat Pt.	7 Dec	1220	15.3	S-2	0 4	11.4 11.7	30.08 30.08	-- 4.35	-- -2.06	-- --



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Tide
59.7-21.0 (37) (75)	7 Dec	1015	13.2	S-2	0 4 8	9.4 9.6 9.4	30.39 30.39 30.39	-- -- 4.79	-- -- -1.89	-- -- --
00.0-17.3 (38) (75) Ragged Pt. Marshes	7 Dec	1150	15.4	S-2	0 3½	11.9 11.6	29.49 29.49	-- 5.13	-- -1.31	-- --
00.2-22.2 Long Pt.	4 Dec	1235	14.0	SE-3	0 4 8	8.1 7.2 7.8	30.75 30.75 30.75	-- -- 5.12	-- -- -1.8029	-- -- --
00.2-22.2 Long Pt.	7 Dec	1005	13.5	S-2	0 4 7	9.4 9.4 9.9	29.97 29.97 30.07	-- -- 5.06	-- -- -1.59	-- -- --
00.7-18.0	7 Dec	1120	14.9	S-2	0 5	9.8 10.3	29.78 29.78	-- 5.23	-- -1.37	-- --
01.2-18.9	7 Dec	1105	14.9	S-2	0 4 8	9.3 9.6 9.4	30.08 30.23 30.10	-- -- 5.44	-- -- -1.26	-- -- --
01.5-20.1	7 Dec	1045	13.7	S-2	0 4 7	9.4 9.7 9.9	30.16 30.28 30.28	-- -- 4.87	-- -- -1.76	-- -- --
02.0-16.7	7 Dec	1310	14.8	S-3	0 5	10.3 10.7	29.47 29.47	-- 5.33	-- -1.23	-- --
02.0-21.2 Parker Bay Entrance	7 Dec	0945	14.3	S-2	0 5	9.6 9.7	29.34 29.34	-- 6.46	-- - .24	-- --

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (‰)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	Tide
02.8-21.2 (38) (75) Parker Bay	7 Dec	1440	14.0	SW-2	0 3	12.7 12.8	28.96 28.96	-- 5.19	-- -1.13	-- --
03.4-16.1 Striking Marsh	7 Dec	1330	14.4	SW-3	0 6	10.3 10.6	29.65 29.65	-- 5.05	-- -1.51	-- --
03.6-18.4	7 Dec	1345	13.7	SW-3	0 4 6½	9.4 9.3 9.6	29.72 29.72 29.72	-- -- 4.79	-- -- -1.89	-- -- --
03.9-19.5 Johnson Bay Entrance	7 Dec	1400	13.7	SW-3	0 5	10.8 11.4	28.80 28.80	-- 5.57	-- -0.93	-- --
04.0-21.0 Johnson Bay	7 Dec	1425	14.0	SW-3	0 4	11.9 12.2	28.53 28.53	-- 5.18	-- -1.24	-- --
05.0-13.4 Green Run Bay	6 Dec	1240	14.1	SW-2	0 5½	11.7 11.7	28.91 28.91	-- 5.22	-- -1.23	-- --
05.1-18.2 Martin Bay	6 Dec	1355	13.6	SW-2	0 4½	9.9 9.9	29.40 29.40	-- 4.30	-- -2.38	-- --
05.2-14.6 Green Run Bay	6 Dec	1310	14.2	SW-2	0 5	10.3 10.4	29.33 29.33	-- 4.70	-- -1.97	-- --
05.2-16.6	6 Dec	1330	13.7	SW-2	0 4 6½	10.0 10.1 10.0	29.43 29.43 29.43	-- -- 4.79	-- -- -1.88	-- -- --
05.4-19.7 Brockton norton Bay	6 Dec	1430	14.8	SW-2	0 4½	10.8 10.8	28.60 28.60	-- 4.35	-- -2.23	-- --

Location (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Tide
05.9-18.9 (38) (75) Rattlesnake Landing	6 Dec	1450	18.5	SW-2	0 4	10.1 11.4	28.30 28.30	-- 4.58	-- -2.03	-- --
05.9-18.9	12 Dec	1015	--	--	1	--	28.37	--	--	--
06.2-13.3	6 Dec	1200	13.6	SW-2	0 4	10.4 10.6	29.18 29.18	-- 5.39	-- -1.24	-- --
06.5-17.0 Off Blue Pond	6 Dec	1520	16.6	SW-2	0 4 8	10.3 9.5 8.9	29.29 29.40 29.51	-- -- 4.67	-- -- -2.14	-- -- --
06.8-12.2	6 Dec	1125	13.3	SW-3	0 3	9.9 8.3	29.11 29.11	-- 5.39	-- -1.53	-- --
07.5-14.0	6 Dec	1050	13.7	SW-3	0 4 7	8.6 8.3 8.6	29.58 29.58 29.58	-- -- 4.70	-- -- -2.14	-- -- --
07.6-16.9 Off Tan- house Creek	6 Dec	1540	14.7	SW-2	0 7½	8.9 9.2	29.40 29.40	-- 4.47	-- -2.29	-- --
08.3-15.6 South of Robbins Marsh	6 Dec	1030	15.4	SW-3	0 4 7½	8.3 8.2 8.3	29.51 29.51 29.51	-- -- 5.22	-- -- -1.68	-- -- --
08.8-14.5	8 Dec	1005	16.9	SW-4	0 4 7	9.9 10.0 10.1	29.51 29.51 29.51	-- -- 4.53	-- -- -2.10	-- -- --
08.9-17.0 Public Landing Pier	6 Dec	1005	14.9	SW-2	0 4	8.9 9.3	29.42 29.42	-- 5.31	-- -1.44	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	Tide
08.9-17.0 (38) (75)	6 Dec	1555	13.9	SW-2	0 4	9.4 9.9	28.95 29.16	-- 5.71	-- -.98	-- --
08.9-17.0	5 Dec	1545	--	SW-2	0 4	9.3 9.2	29.20 29.20	-- --	-- --	-- --
10.1-14.2 Beacon "39"	8 Dec	1035	17.0	SW-3	0 4 7½	10.3 10.6 10.7	29.29 29.29 29.29	-- -- 4.78	-- -- -1.78	-- -- --
11.0-12.8 Beacon "35"	8 Dec	1055	17.3	SW-3	0 4 6½	11.0 11.1 11.8	29.51 29.51 29.51	-- -- 5.83	-- -- -.60	-- -- --
11.3-15.0 Kelly Pt.	8 Dec	1430	18.1	SW-2	0 5½	12.2 12.5	28.95 28.95	-- 5.88	-- -.48	-- --
12.1-11.4 Beacon "31"	8 Dec	1125	17.1	SW-3	0 4 7	11.6 11.7 12.1	29.40 29.40 29.40	-- -- 4.31	-- -- -2.31	-- -- --
12.2-09.8 Entrance to Ferry Channel	8 Dec	1140	17.0	SW-3	0 5	14.0 13.9	28.40 28.40	-- 3.75	-- -2.54	-- --
12.4-14.7 Handy Hammock	8 Dec	1415	13.1	SW-3	0 5½	12.8 12.8	28.73 28.73	-- 4.26	-- -2.07	-- --
13.0-12.4	8 Dec	1230	15.7	SW-2	0 4	12.2 11.9	29.36 29.36	-- 5.09	-- -2.31	-- --
13.8-12.2 Knot Pt.	8 Dec	1245	16.0	SW-3	0 6	12.2 12.5	29.07 29.23	-- 4.18	-- -2.15	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	Tide
13.8-14.7 (38) (75) Marshall Cr. Entrance	8 Dec	1345	18.2	SW-3	0 3½	13.3 13.9	25.95 28.57	-- 4.47	-- -1.75	-- --
14.5-13.0	8 Dec	1325	18.5	SW-3	0 4	13.9 13.9	24.76 27.70	-- 4.39	-- -1.86	-- --
15.2-11.6 Trappe Cr. Entrance	8 Dec	1305	17.5	SW-3	0 4	13.9 13.9	25.25 25.64	-- 4.73	-- -1.60	-- --
17.6-09.7 Ayres Cr. Bridge	13 Dec	1335	2.2	NW-6	0 5	4.7 5.0	13.59 13.75	-- --	-- --	-- --
<u>SINEPUXENT BAY</u> 13.3-10.4 Beacon "27"	8 Dec	1200	16.6	SW-3	0 6½	12.2 12.5	29.07 29.25	-- 3.78	-- -2.56	-- --
13.3-10.4	12 Dec	1235	10.0	NW-4	0 4 8	7.3 7.3 7.2	29.47 29.47 30.43	-- -- 3.84	-- -- -3.18	Ebbing -- --
14.2-09.4 Beacon "21"	12 Dec	1250	6.8	NW-4	0 4 9	7.8 7.5 7.2	30.77 30.62 30.84	-- -- 4.12	-- -- -2.86	Ebbing -- --
15.9-08.4 Beacon "15"	12 Dec	1315	6.2	NW-4	0 4 9	8.3 8.2 8.1	31.02 31.31 31.20	-- -- 4.70	-- -- -2.14	Ebbing -- --
17.0-07.8 Beacon "13"	12 Dec	1330	5.6	NW-4	0 4 11	8.9 8.7 8.3	31.40 31.40 31.35	-- -- 3.35	-- -- -3.45	Ebbing -- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal- (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	Tide
18.0-06.9 Beacon "8"	12 Dec	1350	5.3	NW-4	0 4 9	9.4	31.36	--	--	Ebbing
						9.2	31.36	--	--	--
						8.9	31.36	3.82	-2.90	--
19.2-06.4 Beacon "5"	12 Dec	1405	5.7	NW-3	0 4 15	9.3	31.36	--	--	Ebbing
						9.0	31.36	--	--	--
						8.9	31.36	2.86	-3.86	--
<u>OCEAN CITY INLET</u> 19.3-05.3 Beacon "7"	12 Dec	1420	6.3	NW-3	0 4 10 25-	9.2	31.31	--	--	Ebbing
						8.9	31.31	--	--	--
						8.9	31.31	--	--	--
						8.3	31.42	4.12	-2.68	--
<u>ISLE OF WIGHT BAY</u> 20.5-05.2 Beacon "2"	12 Dec	1445	8.6	NW-4	0 11	8.9	31.40	--	--	Strong Ebb
						8.3	31.40	6.40	.39	--
21.8-05.3 Beacon "5"	12 Dec	1510	6.2	NW-4	0 5½	9.4	31.40	--	--	Ebbing
						8.3	31.40	5.46	-1.33	--
20.3-07.8 Herring Cr. Bridge	13 Dec	1315	2.2	NW-6	0 4	4.5	26.85	--	--	--
						4.7	26.85	--	--	--
<u>ST. MARTINS RIVER</u> 23.1-07.0	13 Dec	0935	3.8	NW-6	0 6	5.8	29.27	--	--	--
						5.0	29.27	2.45	-4.98	--
24.2-08.5	13 Dec	1000	3.5	NW-6	0 5½	5.6	26.42	--	--	--
						5.0	26.53	4.81	-2.76	--

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O Def (ml/L)	Tide
24.5-10.3	13 Dec	1020	2.9	NW-6	0 4½	5.9 5.3	23.75 23.75	5.73	-- -1.74	-- --
<u>ASSAWOMAN BAY</u>										
23.4-05.5	13 Dec	1115	3.0	NW-6	0 7	5.8 5.3	27.50 27.50	5.54	-- -1.93	-- --
27.1-03.9	13 Dec	1240	1.3	NW-6	0 4 16	3.9 4.4 4.6	24.45 24.69 24.69	-- -- --	-- -- --	-- -- --

## Part II-7 2 January to 20 January 1952

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
56.1-22.8 (37) (75) Chincoteague Channel Bridge	3 Jan	--	--	0 6	7.5 7.8	31.71 31.26	Flooding
56.1-22.8	17 Jan	--	SE-2	0 6	-- --	29.22 29.18	Ebbing
22.5-21.6 (38) (75) George Island Landing	3 Jan	1600	--	0	7.8	25.52	Ebbing
05.9-18.9 Rattlesnake Landing	2 Jan	1300	0	0	8.9	25.05	Flooding
05.9-18.9	3 Jan	1000	NW-2	0	7.8	25.32	Ebbing
05.9-18.9	9 Jan	--	--	0	1.7	24.87	Flooding
05.9-18.9	14 Jan	--	--	0 3	2.2 2.2	24.49 24.49	-- --
05.9-18.9	15 Jan	1200	--	0 3	3.3 3.3	24.88 24.88	-- --
05.9-18.9	18 Jan	--	SE-2	0 3	-- --	24.09 24.09	Ebbing
08.9-17.0 Public Landing	12 Jan	--	--	0	--	26.04	Flooding
19.7-05.5 Ocean City	8 Jan	--	--	0	--	28.96	Flooding



## Part II-8 21 January to 31 January 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E -10 cm cell			Remarks
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650	
CHINCOTEAGUE INLETS AND CHINCOTEAGUE BAY													
54.9-23.7 (37) (75)	23 Jan	1125	10.9	SW-5	0	9.9	26.96	--	--	.464	.369	.288	--
54.6-22.9	23 Jan	1140	10.7	SW-5	0	8.1	29.88	--	--	.380	.312	.267	--
56.1-22.8 Chincoteague Channel	23 Jan	1050	10.9	SW-4	0	7.1	29.83	--	--	.522	.430	.377	--
56.1-25.1 Queen Sound Bridge	23 Jan	1230	11.5	SW-5	0	10.0	26.33	--	--	.390	.342	.303	--
56.3-20.7	23 Jan	1155	10.8	SW-5	0	9.1	26.58	--	--	.308	.273	.217	--
56.8-21.7	23 Jan	1210	11.0	SW-5	0	10.4	20.50	--	--	.634	.361	.192	Water Sample brown
57.9-26.0 Rowley's Landing	23 Jan	1255	11.4	W-5	0	10.0	26.33	--	--	.329	.261	.211	--
59.7-21.0	22 Jan	1055	7.1	E-2	0 4 7	5.5 5.7 5.8	26.69 26.69 26.69	-- -- 4.54	-- -- -2.89	.076 .127 .430	.101 .107 .367	.115 .076 .322	-- -- --
00.0-17.3 (38) (75) Ragged Pt. Marshes	22 Jan	1205	7.9	E-2	0 3	5.5 5.7	26.80 26.80	-- --	-- --	.125 .143	.081 .105	.070 .084	-- --
00.0-26.5 Swans Cut Creek	23 Jan	1315	11.8	W-5	0	10.6	00.25	--	--	.558	.420	.311	Ebbing
00.2-22.2 Long Pt.	22 Jan	1045	7.1	E-2	0 6	5.6 5.7	26.11 26.11	-- --	-- --	.093 .690	.067 .578	.153 .480	-- --

Station (Lat.-Long.)	Date	Time EST	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O Def 2 (mL/L)	E-10 cm cell			Remarks
										m/4 425	m/4 525	m/4 650	
00.7-15.0	22 Jan	1145	7.6	E-2	0 5½	5.6 5.8	26.18 26.18	-- --	-- --	.174 .155	.125 .120	.100 .100	-- --
01.3-19.8	22 Jan	1130	7.5	E-2	0 4 6½	5.6 5.7 5.9	26.20 26.20 26.20	-- -- 3.91	-- -- 3.53	.083 .116 .772	.063 .090 .704	.051 .071 .649	-- -- --
01.5-20.1	22 Jan	1115	7.2	E-2	0 4 6½	5.6 5.6 5.7	26.56 26.56 26.56	-- -- --	-- -- --	.115 .142 .186	.091 .109 .138	.073 .096 .110	-- -- --
02.0-16.7 Gedjar Islands	22 Jan	1235	8.2	SE-3	0 3½	5.6 5.7	26.04 26.04	-- --	-- --	.074 .111	.060 .083	.047 .070	-- --
02.0-21.2 Parker Bay Entrance	22 Jan	1025	7.4	E-2	0 5½	5.3 5.6	25.82 25.99	-- 5.49	-- -1.99	.126 .274	.082 .517	.086 .380	-- --
02.9-21.2 Parker Bay	22 Jan	1500	8.7	SE-3	0 2½	5.6 5.6	23.48 23.64	-- 6.89	-- -.73	.196 1.800	.142 1.620	.113 1.490	-- --
03.4-16.1 Striking Marsh	22 Jan	1255	8.2	SE-3	0 5½	4.9 5.3	26.92 26.92	-- --	-- --	.550 .464	.468 .424	.388 .363	-- --
03.6-18.4	22 Jan	1312	8.4	SE-3	0 5½	5.4 5.4	26.42 26.42	-- 3.92	-- -3.58	.115 .136	.088 .101	.075 .077	-- --
03.9-19.5	22 Jan	1325	8.4	SE-3	0 5	5.4 5.4	24.94 24.94	-- --	-- --	.419 .724	.352 .600	.309 .507	-- --
04.0-20.7	22 Jan	1345	8.7	SE-3	0 4	5.6 6.6	24.76 24.76	-- 6.53	-- -.85	.043 .770	.066 .680	.038 .558	-- --
05.1-18.2	21 Jan	1430	5.8	NW-3	0 2½	6.3 6.3	26.04 26.04	-- 5.47	-- -1.89	.410 --	.380 --	.319 --	Hard sand bottom

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Remarks
										m <sup>45</sup> 425	m <sup>44</sup> 525	m <sup>44</sup> 650	
05.2-16.6 (38) (75)	21 Jan	1355	6.3	NW-3	0 5½	6.9 5.7	26.94 26.94	-- 5.11	-- -2.32	.509 .874	.455 .746	.394 .674	Bottom 6" mud over hard sand
05.4-19.7 Brookato- Norton Bay	21 Jan	1500	5.8	NW-3	0 3	6.6 6.0	24.00 24.00	-- 4.98	-- -2.56	.461 .762	.438 .654	.318 .534	Bottom soft mud
05.7-18.8 Rattlesnake landing	21 Jan	1530	5.8	NW-3	0 3½	6.4 6.4	23.78 23.78	-- 5.33	-- -2.14	.303 1.976	.250 1.616	.222 1.312	Tide 1" below MLW
05.7-18.8	23 Jan	1400	11.8	W-5	0	8.3	23.26	--	--	.260	.240	.160	--
05.7-18.8	29 Jan	1030	--	--	--	--	22.93	--	--	--	--	--	--
06.1-13.2	21 Jan	1245	8.7	NW-4	0 5	6.4 6.2	26.42 26.42	-- 5.46	-- -1.93	.419 .346	.384 .284	.351 .208	Bottom hard sand
06.5-17.2 Off Blue Pond	21 Jan	1610	5.7	NNE-3	0 4	5.6 5.7	25.86 25.86	-- 4.85	-- -2.57	.203 .201	.166 .156	.143 .145	-- --
07.5-11.9	21 Jan	1205	7.1	NW-4	2	4.4	26.83	5.20	-2.47	1.058	.846	.730	Bottom hard sand
07.7-17.1 Off Tanhouse Creek	21 Jan	1620	5.4	NNE-3	0 5½	5.8 5.6	26.82 26.82	-- --	-- --	.652 1.130	.573 1.734	.503 1.420	-- --
07.9-13.7	21 Jan	1130	7.7	NW-4	0 5½	5.7 5.3	26.87 26.87	-- 4.78	-- -2.73	1.740 1.864	1.416 1.626	1.190 1.466	Bottom hard sand
08.4-15.5	21 Jan	1110	5.8	NW-4	0 4 6½	6.2 5.6 5.6	26.85 26.85 26.85	-- -- 4.91	-- -- -2.53	1.376 1.324 2.026	1.167 1.094 1.758	1.006 .935 1.648	-- -- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Remarks
										W45	W45	W45	
08.9-17.0 Public Landing Pier	21 Jan	1045	4.2	NW-4	0 4	6.1 5.7	26.09 26.09	-- 5.40	-- -2.06	.157 .157	.148 .144	.119 .176	-- --
08.9-17.0	21 Jan	1640	4.8	NNE-3	0 4	6.2 6.0	26.09 26.09	-- 5.11	-- -2.33	.114 .219	.090 .180	.079 .147	-- --
08.9-17.0	24 Jan	1045	2.4	NW-1	0 2½	5.8 5.7	26.47 26.58	-- --	-- --	.130 .178	.103 .141	.057 .121	Depth 3½ --
08.9-17.0	29 Jan	1055	1.7	NW-3	0 4	5.2 4.2	24.75 24.75	-- 4.11	-- -3.64	.140 .137	.100 .102	.090 .086	-- --
09.7-15.4 Risk's Pt.	24 Jan	1645	3.1	WSW-3	0 4½	5.0 5.3	26.08 26.11	-- --	-- --	.170 .161	.117 .146	.090 .136	Depth 5½ --
09.9-14.9	24 Jan	1105	3.8	W-1	0 4 5½	5.3 5.0 5.2	26.71 26.71 26.71	-- -- --	-- -- --	.269 .272 .266	.217 .205 .211	.195 .188 .170	Depth 6½ -- --
10.1-14.2 Beacon "39"	24 Jan	1125	8.3	W-3	0 5½	5.1 5.1	26.71 26.71	-- --	-- --	.363 .318	.309 .267	.263 .235	Depth 6½ -- --
10.1-14.2	29 Jan	1130	0.8	NW-4	0 7	5.0 4.6	25.42 25.42	-- 4.11	-- -3.54	1.147 1.124	.954 1.258	.789 1.121	-- --
11.0-12.8 Beacon "35"	24 Jan	1145	8.3	W-3	0 4½	4.5 4.4	25.44 25.44	-- --	-- --	.408 .490	.347 .460	.303 .326	Depth 5½ -- --
11.3-15.0 Kelly Pt.	24 Jan	1625	2.8	WSW-3	0 4½	5.7 5.7	25.91 25.91	-- --	-- --	.160 .133	.132 .116	.100 .070	Depth 5½ -- --
12.1-11.4 Beacon "31"	21 Jan	1205	10.9	W-3	0 5½	4.5 4.4	25.05 25.05	-- --	-- --	.337 .358	.276 .297	.230 .248	Depth 6½ -- --
12.1-11.4	29 Jan	1210	+0.3	NW-3	0 7½	3.4 5.0	25.16 25.16	-- --	-- --	.549 *	.454	.370	-- --

\* Sample contains bottom mud.

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Remarks
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650	
15.0-12.4 (58) (75)	24 Jan-	1415	4.8	W-2	0 4½	5.6 5.6	22.97 22.97	-- --	-- --	.351 .303	.288 .245	.241 .205	Depth 5½' Bottom soft mud
11.8-12.2 Kroett Pt.	24 Jan	1435	5.6	W-3	0 4½	5.5 5.5	22.14 22.30	-- --	-- --	.174 .201	.120 .170	.101 .135	Depth 5½' Bottom soft mud
13.8-14.3 Marshall Cr. Ent.	24 Jan	1550	3.5	WSW-3	0 2½	6.7 6.6	24.47 24.47	-- --	-- --	.160 .182	.125 .146	.076 .107	Depth 3½' Bottom soft mud
14.5-13.0	24 Jan	1530	4.6	WSW-3	0 3	6.7 --	20.34 21.02	-- --	-- --	.210 .187	.129 .126	.090 .099	Depth 4' Bottom soft mud
15.2-11.6 Trappe Cr. Ent.	24 Jan	1505	9.2	W-3	0 2	5.7 5.7	13.31 13.12	-- --	-- --	.166 .266	.184 .182	.126 .156	Depth 3' Bottom soft mud
17.6-09.7 Ayres Gr. Bridge	31 Jan	1630	2.8	0	0 5½	3.9 3.3	0.34 0.34	-- 6.07	-- -3.35	.555 .629	.321 .373	.183 .232	Tide- flooding
SINEPUENT BAY AND OCEAN CITY INLET													
12.2-09.8 Ferry Channel	24 Jan	1225	5.9	W-3	0 3½	2.6 2.4	24.42 24.42	-- --	-- --	.113 .113	.073 .067	.058 .046	Depth 4½'
13.3-10.4 Beacon "27"	24 Jan	1245	8.1	W-3	0 5½	5.2 5.1	25.52 25.52	-- --	-- --	.110 .108	.085 .079	.055 .069	Depth 6½'
13.3-10.4	29 Jan	1230	1.7	NW-4	0 8	3.6 3.8	29.38 29.36	-- 4.93	-- -2.71	.333 --	.290 --	.249 --	Contained bottom mud
14.2-09.4 Beacon "21"	29 Jan	1310	7.4	NW-4	0 8	4.7 4.3	29.14 29.47	-- 6.45	-- -1.09	.441 .680	.363 .568	.299 .469	Tide flooding
15.9-08.4 Beacon "15"	29 Jan	1340	7.9	NW-4	0 8½	5.0 4.7	30.32 30.32	-- 3.90	-- -3.52	.377 1.025	.320 .852	.290 .667	Tide flooding

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell			Remarks
										m/μ 425	m/μ 525	m/μ 650	
17.0-07.8 Beacon "13"	29 Jan	1400	6.9	NW-4	0 9	5.3 5.0	30.50 30.59	-- 6.30	-- -1.06	.351 .449	.291 .382	.270 .274	-- --
18.0-06.0 Beacon "8"	29 Jan	1415	4.9	NW-4	0 8	5.6 5.3	30.53 30.53	-- 3.36	-- -3.94	.366 .482	.312 .412	.279 .346	Tide Ebbing
19.2-06.4 Beacon "5"	29 Jan	1430	2.9	NW-4	0 11	5.6 4.3	30.59 30.59	-- 3.89	-- -3.59	.468 .574	.396 .494	.328 .422	Tide Ebbing
19.3-05.3 Ocean City Inlet "7"	29 Jan	1445	2.9	NW-4	0	5.1	30.32	--	--	.550	.449	.374	Tide- strong ebb
20.8-04.6 Surf Ocean City	31 Jan	1525	--	SW-3	0	--	31.29	--	--	--	--	--	--
ISLE OF WIGHT AND ASSAUMAN BAYS													
19.7-05.5	31 Jan	1305	2.7	SW-3	0 11	4.6 --	30.35 30.35	-- --	-- --	.222 --	.177 --	.159 --	Tide- strong ebb Contained bottom sand
20.3-07.8 Herring Cr. Bridge	31 Jan	1615	2.8	0	0 5	4.2 3.9	2.30 15.03	-- 7.43	-- -1.02	.581 .342	.242 .216	.196 .156	Tide ebbing Ice on surface
20.8-05.2 Beacon "4" (Old "2")	31 Jan	1455	2.7	SW-3	0 8	4.4 4.5	29.92 30.08	-- 4.28	-- -3.24	.232 .276	.196 .229	.165 .188	Tide- strong ebb
21.8-05.3 Beacon "5"	31 Jan	1435	2.8	SW-3	0 6	1.0 3.2	23.04 27.30	-- 4.87	-- -3.00	.161 .257	.106 .198	.081 .174	Tide- ebbing
22.2-07.3 Keyser Pt.	31 Jan	1415	1.7	SW-3	0 6	2.8 3.2	19.79 27.09	-- 5.66	-- -2.22	.279 .294	.209 .228	.158 .189	-- --

Sta. on (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft.)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O Def (ml/L)	E-10 cm. cell			Remarks
										m μ 425	m μ 525	m μ 650	
23.1-07.0	31 Jan	1350	0.5	W-3	0 5½	2.9 2.8	23.37 24.40	-- 7.25	-- -0.87	.173 .194	.120 .153	.094 .126	¼ mi. from ice
23.3-07.1	31 Jan	1400	0.5	W-3	0	--	19.79	--	--	.200	.124	.158	Taken in ice
25.4-05.5 Poplar Pt.	31 Jan	1330	-0.2	W-3	0 7	1.1 1.1	22.88 23.40	-- 7.88	-- -0.65	.187 .264	.127 .203	.088 .174	-- --
24.8-05.1	31 Jan	1150	+0.2	W-2	0 4½	0.1 0.2	23.68 23.68	-- 5.20	-- -3.52	.143 .166	.101 .131	.076 .100	-- --
25.6-04.8	31 Jan	1215	+1.7	W-2	0 6	-0.3 +0.4	22.88 23.01	-- 3.87	-- -4.86	.141 .192	.089 .146	.067 .133	Ice on surface
25.9-06.6 Greys Cr.	31 Jan	1245	+0.8	W-2	0 5½	-0.3 +2.5	21.56 25.48	-- 5.06	-- -3.05	.159 *	.114	.084	50 yd fr. ice
27.1-03.9 Penwick Is. Bridge	31 Jan	1545	3.9	SW-2	0 11	2.1 2.2	19.91 20.37	-- 4.76	-- -3.72	.190 .172	.124 .126	.081 .095	-- --

\* Contained bottom mud.

Part II-9 4 March to 12 March 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E = 10 cm cell		
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
CHINCOTEAGUE INLETS AND CHINCOTEAGUE BAY												
52.6-23.5 (37) (75) Fishing Pt.	12 Mar	1310	10.7	SW-3	0 10 31	7.8 7.6 7.6	29.16 29.16 29.16	-- -- 6.4	-- -- -0.6	.308 .402 .341	.258 .318 .280	.229 .278 .246
53.8-25.4 Chincoteague Point	12 Mar	1250	10.7	SW-3	0 4 12	7.3 7.3 7.2	29.34 29.34 29.34	-- -- --	-- -- --	.885 1.160 1.266	.796 1.009 1.079	.728 .868 <sup>2</sup> .919 <sup>10</sup>
54.5-24.5 Beacon "1"	12 Mar	1350	14.0	SW-3	0 10 20	8.1 7.9 7.9	29.22 29.22 29.22	-- -- 5.4	-- -- -1.6	.618 .814 1.028	.539 .730 .888	.460 .647 .768
56.0-24.9 Queens Sound Bridge	12 Mar	1155	10.5	WSW-2	0 4 10 26	7.2 7.1 7.1 6.9	29.00 29.00 29.00 29.00	-- -- -- 6.1	-- -- -- -1.0	.814 .905 .900 1.292	.702 .789 .788 1.091	.607 .710 .661 .919
56.2-22.5 Chincoteague Channel	12 Mar	1505	10.7	SW-3	0 18	8.9 8.9	28.87 28.83	-- 6.3	-- -0.5	.485 .424	.434 .354	.351 .310
57.5-23.8	12 Mar	1110	9.9	WSW-2	0 4 $\frac{1}{2}$	7.5 7.4	28.69 28.69	-- 6.9	-- -0.2	.512 .562	.438 .487	.378 .427
58.5-23.0 Beacon "1"	12 Mar	1600	10.6	SW-2	0 5 $\frac{1}{2}$	8.6 8.6	25.55 25.55	-- 6.8	-- -0.2	.270 .549	.215 .461	.184 .454
59.0-24.2 Cockle Pt.	12 Mar	1035	9.7	WSW-2	0 5 $\frac{1}{2}$	7.9 7.8	26.17 26.17	-- 6.9	-- -0.2	.310 .343	.254 .284	.217 .238



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E -10 cm cell		
										m $\mu$ 125	m $\mu$ 525	m $\mu$ 650
59.1-24.2 (37) (75) Swans Cut Cr. Ent.	12 Mar	1050	10.0	WSW-2	0 5	8.4 8.3	25.95 26.09	-- 6.9	-- -0.2	.286 --	.237 --	.208 -- (27)
59.7-21.0	5 Mar	1115	4.5	NW-4	0 6	4.9 4.6	25.20 25.20	-- 4.8	-- -2.8	.167 .464	.136 .374	.108 .320
00.0-17.0 (38) (75) Ragged Pt. Marshes	10 Mar	1205	8.5	SE-3	0 3½	5.3 5.6	23.96 23.96	-- 8.0	-- +0.4	.127 .188	.095 .130	.078 .100
00.2-22.2 Long Pt.	5 Mar	1100	5.8	NW-4	0 7	4.3 4.9	24.11 24.11	-- 5.0	-- -2.7	.188 .746	.147 .613	.127 .522
00.7-18.0	10 Mar	1120	7.5	SE-3	0 5½	4.2 4.4	24.51 24.51	-- 8.1	-- +0.3	.137 .141	.106 .119	.099 .092
01.2-18.9	10 Mar	1110	8.0	SE-3	0 4 7½	5.2 5.0 5.0	24.85 24.85 24.85	-- -- 8.1	-- -- +0.4	.121 .140 1.003	.088 .105 .836	.078 .094 .698
01.5-20.1	5 Mar	1130	5.2	NW-4	0 6	5.1 5.2	25.17 25.08	-- 5.6	-- -2.0	.220 .251	.147 .196	.127 .141
01.6-14.9 Pope Is. C.G. Sta. Dock	10 Mar	1505	8.4	SE-3	0	6.8	22.79	--	--	.098	.075	.053
02.0-16.7 Cedar Islands	10 Mar	1335	8.5	SE-3	0 5½	5.3 5.4	24.88 24.88	-- 7.2	-- -0.4	.188 .123	.108 .100	.083 .086
02.0-21.2 Parker Bay Ent.	5 Mar	1040	6.3	NW-4	0 5½	5.0 4.9	22.61 22.61	-- 7.3	-- -0.5	.088 .197	.114 .236	.163 .305

Location (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O Def 2 (ml/L)	E -10 cm cell		
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
02.4-21.6 George Island Landing	10 Mar	1705	8.3	SE-3	0	7.5	21.44	--	--	.231	.176	.145
02.8-21.2 Parker Bay	5 Mar	1610	5.7	NW-4	0 3	6.2 6.2	20.86 20.37	-- 4.9	-- -2.8	.220 1.082	.167 .882	.131 .732
03.4-16.1 Striking Marsh	10 Mar	1535	8.3	SE-3	0 6	5.9 5.9	24.88 24.88	-- 6.7	-- -0.8	.140 --	.099 --	.069 <sup>(21)</sup> -- <sup>(21)</sup>
03.6-18.4 Off White Rock	5 Mar	1210	5.6	NW-4	0 6 $\frac{1}{2}$	5.0 5.1	23.75 23.75	-- 4.5	-- -3.3	.340 .433	.273 .363	.238 .296
03.6-18.4	10 Mar	1625	8.0	SE-3	0 6	5.3 5.3	24.63 24.63	-- 7.9	-- -0.3	.116 .501	.090 .401	.074 .332
03.9-19.5 Johnson Bay Ent.	5 Mar	1430	7.9	NW-4	0 3 $\frac{1}{2}$	6.1 6.1	22.70 22.70	-- 4.9	-- -2.7	.600 1.067	.378 .888	.338 .756
04.0-21.0 Johnson Bay	5 Mar	1530	6.1	NW-4	0 4	6.2 6.2	21.58 21.58	-- 6.1	-- --	.208 1.150	.144 .971	.122 .824
05.1-18.2 Martin Bay	5 Mar	1445	8.0	NW-4	0 4	6.1 6.1	23.91 23.91	-- 5.5	-- -2.0	.251 .328	.198 .267	.165 .209
05.2-14.5 Green Run Bay	10 Mar	1600	8.1	SE-3	0 4 $\frac{1}{2}$	5.2 5.2	24.49 24.49	-- 7.7	-- 0	.168 .114	.135 .167	.112 .139
05.4-19.7 Brockton norton Bay	5 Mar	1510	6.5	NW-4	0 4	6.4 6.4	23.01 23.01	-- 4.7	-- -3.0	.346 1.167	.284 .974	.234 .792
07.4-11.9 Sugar Point	4 Mar	1135	6.6	NW-4	0 4	3.1 3.1	28.87 28.87	-- 4.8	-- -3.0	.549 .652	.469 .549	.413 .263

Station (Lat.-Long.)	Date	Time (EST)	Air Time (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell		
										m/μ	m/μ	m/μ
07.9-13.7	6 Mar	1115	4.6	NW-4	0 7	4.7 4.3	26.22 26.22	-- --	-- --	.916 1.086	.783 .895	.686 .770
08.9-13.4	6 Mar	1220	5.2	NW-4	0 3½	4.7 4.1	26.80 26.80	5.0	-2.7	1.040 1.094	.916 1.045	.791 1.245
08.9-14.9 So. of Robbins Marsh	6 Mar	1055	5.2	NW-4	0 6½	4.3 4.1	26.58 26.58	-- 5.5	-- -2.2	.838 --	.730 --	.640 --
08.9-17.0 Public Landing Pier	4 Mar	1620	12.6	0	0 4	6.9 6.1	16.49 21.73	-- --	-- --	.604 .485	.490 .409	.403 .342
08.9-17.0	6 Mar	1035	5.6	NW-4	0 3½	4.4 4.4	24.85 24.99	-- 5.1	-- -2.7	.192 .405	.146 .337	.113 .294
08.9-17.0	9 Mar	1250	5.8	SSE-1	0 4	4.7 4.6	23.95 23.95	-- --	-- --	.170 .202	.129 .163	.095 .123
08.9-17.0	11 Mar	1700	16.4	WSW-5	0 3½	10.7 9.0	22.60 23.00	-- --	-- --	.908 .974	.794 .836	.702 .688
09.7-15.6 Rick's Pt.	6 Mar	1630	5.2	NNW-3	0 6	5.6 5.6	23.26 23.26	-- --	-- --	.802 1.266	.694 1.088	.593 .908
10.1-14.2 Beacon "39"	6 Mar	1240	5.3	NW-4	0 7	4.7 4.7	26.60 26.60	-- 5.4	-- -2.4	1.085 1.300	.932 1.102	.820 .942
11.0-12.8 Beacon "35"	6 Mar	1320	6.5	NW-4	0 6	4.7 4.7	23.39 23.39	-- 5.3	-- -2.5	1.288 1.524	1.124 1.300	.996 1.094
11.0-12.8 Beacon "35"	9 Mar	1205	6.0	NE-3	0 6½	4.8 4.4	23.75 27.07	-- --	-- --	.167 .284	.125 .244	.095 .188

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O Def <sup>2</sup> (ml/L)	E-10 cm cell		
										mμ 425	mμ 525	mμ 650
11.3-15.2 Kelly Pt.	6 Mar	1610	5.8	NNW-3	0 5½	5.6 5.4	23.10 23.10	-- 6.3	-- -1.4	.702 --	.581 --	.494 --
12.1-11.4 Beacon "31"	6 Mar	1345	5.6	NW-4	0 7	4.6 4.7	22.85 22.85	-- 3.9	-- -3.9	.810 1.660	.696 1.390	.589 1.198
12.1-11.4	7 Mar	1130	2.7	N-4	0 8	4.2 3.9	28.95 28.84	-- 5.7	-- -1.9	.208 1.022	.186 .926	.134 .794
12.1-11.4	9 Mar	1140	5.2	NE-3	0 8	4.9 3.9	22.54 28.73	-- --	-- --	.161 .347	.106 .291	.079 .258
12.4-14.7 Handy Hamock	6 Mar	1555	6.1	NNW-3	0 5	5.3 5.2	22.75 22.75	-- 4.2	-- -3.5	.330 1.176	.257 1.034	.206 .940
13.0-12.4	6 Mar	1405	4.8	NNW-4	0 6	5.3 5.2	19.72 19.72	-- 4.9	-- -3.0	.996 1.608	.840 1.356	.720 1.134
13.7-14.3 Marshall Cr. Ent.	6 Mar	1530	5.7	NNW-3	0 3	6.2 5.7	21.06 21.06	-- 6.5	-- -1.2	.223 1.037	.160 .905	.123 .764
13.8-12.2 Knott Pt.	6 Mar	1420	5.5	NNW-4	0 5½	5.3 5.2	18.06 18.46	-- 5.8	-- -2.8	.555 .834	.454 .686	.378 .627
14.6-13.0	6 Mar	1500	5.8	NNW-3	0 4½	6.4 6.3	18.89 19.00	-- 5.2	-- -2.5	.252 .700	.182 .581	.124 .515
15.2-11.6 Trappe Cr. Entrance	6 Mar	1445	6.2	NNW-3	0 4	5.7 5.6	9.43 14.94	-- 6.8	-- -1.3	.517 --	.358 --	.254 --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O Def 2 (ml/L)	E-10 cm cell			
										mμ 425	mμ 525	mμ 650	
SINEPUENT BAY AND OCEAN CITY INLET													
12.2-09.8 (38) (75) Ent. to Ferry Channel	7 Mar	1205	2.3	NNW-4	0 4	2.8 3.2	28.86 28.86	-- 4.6	-- -3.2	.274 .482	.252 .410	.236 .352	
13.3-10.4 Beacon "27"	7 Mar	1225	2.4	NNW-4	0 7	3.1 2.9	29.29 29.29	-- 4.9	-- -2.8	.356 .783	.363 .678	.281 .562	
13.3-10.4	9 Mar	1120	6.1	NE-1	0 8	4.3 4.2	28.82 28.82	-- --	-- --	.125 .309	.098 .293	.074 .167	
14.2-09.4 Beacon "21"	7 Mar	1305	3.8	NNW-4	0 7½	3.8 3.2	29.16 29.16	-- 5.9	-- -1.7	.362 --	.317 --	.276 --	
15.9-08.4 Beacon "15"	7 Mar	1330	3.1	NNW-3	0 7½	3.9 3.9	29.29 29.29	-- 4.8	-- -2.8	.344 --	.284 --	.224 --	
17.0-07.8 Beacon "13"	7 Mar	1345	3.2	NNW-3	0 4 9½	3.9 3.8 3.7	29.29 29.29 29.29	-- -- 6.5	-- -- -1.2	.296 .408 .506	.260 .342 .449	.205 .284 .389	
18.0-06.9 Beacon "8"	7 Mar	1405	3.9	NNW-3	0 7½	3.9 3.9	29.16 29.16	-- 6.1	-- -1.5	.536 .710	.455 .625	.239 .538	
19.2-06.4 Beacon "5"	7 Mar	1415	3.0	NNW-3	0 4 12	3.8 3.8 3.7	26.80 26.80 26.80	-- -- 4.4	-- -- -3.4	.536 .732 .700	.485 .616 .606	.426 .542 .530	
19.6-05.8	7 Mar	1430	3.7	NNW-4	0 21	3.8 3.7	26.24 25.97	-- 6.6	-- -1.2	.541 .549	.446 .480	.369 .402	

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell		
										mμ 425	mμ 525	mμ 650
ISLE OF WIGHT & ASSANOMAN BAYS												
19.7-05.5 (38) (75) Old Bridge	8 Mar	1700	3.5	NW-8	0 10	3.8 4.1	28.94 28.94	-- 5.4	-- -2.2	.472 .526	.403 .400	.355 .333
20.3-07.8 Herring Cr. Bridge	9 Mar	0925	3.7	NW-3	0 4	3.9 4.2	2.79 10.72	-- --	-- --	.408 .652	.231 .477	.133 .340
20.5-05.2 Isle of Wight Beacon "4"	8 Mar	1120	3.3	NNW-3	0 4 8	3.2 3.2 3.1	23.95 24.92 25.93	-- -- 7.9	-- -- -0.1	.338 .399 .355	.275 .317 .317	.232 .275 .251
21.3-05.3 Isle of Wight Beacon "5"	3 Mar	1205	3.2	NW-3	0 5½	3.2 3.2	23.21 23.48	-- 8.1	-- 0	.292 .297	.223 .252	.183 .200
23.4-05.5	8 Mar	1225	3.9	NW-3	0 7½	3.4 3.3	23.57 27.54	-- 7.6	-- -0.2	.247 .333	.196 .279	.135 .248
24.4-05.5	8 Mar	1305	5.7	NW-2	0 7½	3.6 3.6	24.96 24.96	-- 8.3	-- -0.4	.218 .403	.173 .338	.130 .298
25.6-04.9	8 Mar	1340	4.3	NW-2	0 6½	3.6 3.5	24.51 24.51	-- 8.2	-- -0.2	.220 .542	.159 .460	.137 .413
25.9-06.5 Grey's Cr.	8 Mar	1410	4.3	NW-2	0 5	3.9 3.8	20.10 20.61	-- 7.1	-- -0.9	.191 .600	.137 .464	.105 .380
26.9-04.8	8 Mar	1340	4.3	NW-2	0 4½	3.8 3.6	21.04 22.04	-- 7.7	-- -0.4	.169 .193	.123 .130	.091 .108

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E -10 cm cell		
										m % 425	m % 525	m % 650
<u>ST. MARTINS RIVER</u>												
23.1-07.0 (38) (75)	8 Mar	1455	4.1	NW-2	0 6½	4.0 3.9	17.86 23.43	-- 8.0	-- 0	.211 .280	.132 .257	.091 .155
24.2-08.5	8 Mar	1515	4.1	NW-2	0 5½	4.1 3.1	20.03 24.52	-- 7.3	-- -0.7	.248 .565	.176 .461	.132 .369
24.5-10.3	8 Mar	1540	4.0	NW-3	0 5	5.2 5.3	15.9 22.75	-- 8.1	-- +0.4	.204 ---	.119 ---	.085 ---
<u>SEASIDE</u>												
01.4-14.7 Surf Pope Is. C.G. Sta.	10 Mar	1440	8.5	SE-3	0	5.8	29.27	--	--	--	--	--
19.8-05.1 Surf Ocean City	9 Mar	0945	3.7	NW-1	0	4.1	28.91	--	--	--	--	--

Part II-10 18 March to 14 April 1952

Station (Lat.-Long.)	Date	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Station (Lat.-Long.)	Date	Wind	Depth (ft)	Water (°C)	Sal (o/oo)
56.1-22.8 (37) (75) Chincoteague Channel Bridge	29 Mar	--	0 6	11.0 10.8	28.48 28.48	08.9-17.0 (38) (75) Public Landing	19 Mar	SE-4	0	7.2	23.59
02.5-21.6 George Is. Landing	3 Apr	--	0	--	23.04	08.9-17.0	20 Mar	SE-3	0	11.6	23.01
02.5-21.6	10 Apr	--	0 3	13.9 13.8	23.60 23.60	08.9-17.0	24 Mar	NE-2	0 4	11.1 11.1	23.75 23.75
03.4-16.1 Striking Marsh	20 Mar	SE-3	0 6	9.0 8.9	24.65 24.65	08.9-17.0	25 Mar	--	0	12.2	23.19
03.5-17.6 White Rock	20 Mar	SE-2	0 5 1/2	8.7 8.5	24.13 24.13	08.9-17.0	26 Mar	--	0 4	11.1 11.1	22.70 23.04
03.6-15.4 Rum Harbor	10 Apr	--	0 5	13.9 14.0	24.81 24.92	08.9-17.0	28 Mar	--	0	12.4	22.00
05.6-18.0 Martin Pt.	26 Mar	--	0 3	10.8 10.4	22.70 23.55	08.9-17.0	1 Apr	--	0	15.0	21.40
05.9-18.9 Rattlesnake Log	24 Mar	--	0	11.7	20.86	08.9-17.0	2 Apr	--	0	16.4	22.86
05.9-18.9	26 Mar	--	0 4	10.6 11.1	14.42 21.08	08.9-17.0	3 Apr	--	0 4	15.0 14.7	22.86 22.86
05.9-18.9	4 Apr	--	0	13.9	20.90	08.9-17.0	4 Apr	--	0	13.9	21.15
05.9-18.9	12 Apr	--	0	12.7	23.71	08.9-17.0	8 Apr	--	0	12.5	22.50
08.9-14.9 Robbins Marsh	3 Apr	--	0 6	13.9 13.9	22.97 22.97	12.1-11.4 Beacon "31"	9 Apr	--	0	13.9	22.34
08.9-17.0 Public Landing	18 Mar	NW-4	0	7.2	24.58	08.9-17.0	10 Apr	--	0	10.8	22.30
						08.9-17.0	11 Apr	--	0	13.9	22.70
						08.9-17.0	12 Apr	--	0	12.8	22.30
						08.9-17.0	14 Apr	--	0	17.2	22.79
						12.1-11.4 Beacon "31"	21 Mar	SE-2	0 8	17.6 10.0	22.79 24.63
						19.7-05.5 Ocean City	21 Mar	SE-3	0 10	12.1 12.5	27.54 28.80



## Part II-11 15 April to 22 April 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650	
CHINCOTEAGUE INLETS & CHINCOTEAGUE BAY													
52.6-23.5 (37) (75) Fishing Pt.	17 Apr	1310	16.9	E-2	0	11.1	31.80	--	--	.252	.223	.185 <sup>(25)</sup>	
					10	10.5	31.80	--	--	.333	.280	.234	
					30	10.9	31.80	-0.2	--	.337	.287	.257	
53.8-25.4 Chincoteague Pt.	17 Apr	1325	16.1	E-2	0	12.0	31.24	--	--	.260	.212	.180 <sup>(25)</sup>	
					4	11.8	31.24	--	--	.260	.228	.202	
					18	11.8	31.24	-0.3	--	.321	.272	.240	
55.1-23.7	17 Apr	1340	16.3	E-2	0	14.3	30.12	--	--	.153	.120	.110 <sup>(25)</sup>	
					4	13.2	30.19	--	--	.161	.120	.105	
					10	12.8	30.61	--	--	.191	.162	.142	
					28	12.9	30.61	6.3	+0.1	.191	.156	.134	
56.0-24.9 Queen Sound Bridge	17 Apr	1155	18.1	E-1	0	13.5	28.71	--	--	.164	.115	.096 <sup>(1)</sup>	
					4	13.3	28.78	--	--	.128	.104	.078	
					10	12.9	29.13	--	--	.144	.113	.091	
					26	12.8	29.42	6.1	+0.2	--	--	--	
56.2-22.5 Chincoteague Channel	17 Apr	1430	20.0	E-2	0	13.6	30.55	--	--	.117	.099	.081	
					4	13.3	30.55	--	--	.154	.115	.100	
					16	13.3	30.62	5.4	-0.8	.156	.134	.111	
57.5-23.8	17 Apr	1135	16.0	NE-3	0	13.5	28.64	--	--	.103	.082	.070	
					4½	13.5	28.64	6.2	-0.2	.116	.094	.075	
58.5-23.0 Beacon "4"	17 Apr	1500	18.0	E-2	0	14.6	29.23	--	--	.141	.048	.079	
					6½	14.6	29.23	5.3	-0.8	--	--	--	
59.0-24.2 Cockle Pt.	17 Apr	1115	17.7	NE-3	0	13.8	27.20	--	--	.140	.094	.078	
					5	13.8	27.20	5.4	-0.9	.126	.100	.089	
59.1-25.2 Swans Cut Cr. Ent.	17 Apr	1125	17.7	NE-3	0	13.8	27.68	--	--	.154	.121	.090	
					4½	13.6	27.68	6.0	-0.4	--	--	--	
59.7-21.0	15 Apr	1100	13.7	NW-3	0	14.6	27.85	--	--	.155	.117	.094	
					4	14.6	27.85	--	--	.143	.120	.100	
					8	14.1	27.85	5.1	-1.1	--	--	--	

Location (Lat. = Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E - 10 cm cell		
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
00.0-17.3 (38) (75)	15 Apr	1210	14.3	W-3	0 5	15.4 15.4	29.78 29.97	-- 5.8	-- -0.3	.204 .214	.163 .174	.134 .140
00.2-22.2 Long Pt.	15 Apr	1050	14.1	NW-3	0 4 7	14.6 14.5 14.2	26.42 26.36 26.36	-- -- 5.9	-- -- -0.4	.202 .162 --	.145 .127 --	.108 .104 --
00.7-18.0	15 Apr	1150	15.3	W-3	0 6 $\frac{1}{2}$	15.1 15.0	28.12 28.26	-- 5.8	-- -0.3	.202 .206	.172 .173	.130 .141
01.3-18.8	15 Apr	1140	15.2	W-3	0 4 7	15.4 15.3 15.0	27.88 27.83 27.84	-- -- 5.8	-- -- -0.3	.125 .129 .234	.091 .105 .218	.078 .093 .297
01.5-20.1	15 Apr	1020	14.6	W-3	0 4 7 $\frac{1}{2}$	15.2 14.9 14.6	28.13 28.13 28.30	-- -- 5.6	-- -- -0.5	.126 .113 .157	.090 .088 .127	.069 .070 .108
02.0-16.7 Cedar Is.	15 Apr	1240	14.3	W-3	0 6	15.4 15.2	26.40 26.27	-- 5.9	-- -0.2	.208 .274	.183 .214	.154 .184
02.0-21.2 Parker Bay Ent.	15 Apr	1020	14.1	NW-3	0 4	14.9 14.9	25.90 25.90	-- 5.7	-- -0.5	.157 .211	.115 .176	.080 .180
02.8-21.2	15 Apr	1505	14.3	W-3	0 3	16.4 16.3	24.74 24.61	-- --	-- --	.122 --	.094 --	.057 --
03.4-16.1 Striking Marsh	15 Apr	1300	14.3	W-3	0 6 $\frac{1}{2}$	14.9 14.8	26.15 26.22	-- 6.1	-- -0.1	.178 .278	.125 .228	.110 .180
03.7-17.7 White Rock	15 Apr	1340	14.2	W-3	0 4 7	15.1 15.0 14.9	25.93 25.84 25.59	-- -- 6.1	-- -- -0.1	.101 .098 --	.074 .074 --	.055 .065 --
04.0-21.0 Johnson Bay	15 Apr	1455	14.4	W-3	0 4 $\frac{1}{2}$	15.8 15.8	23.37 23.37	-- 6.1	-- -0.1	.123 --	.099 --	.074 --
04.2-18.8	15 Apr	1355	14.3	W-3	0 5 $\frac{1}{2}$	15.6 15.4	24.78 24.87	-- 6.0	-- -0.2	.118 .436	.080 .362	.070 .328

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell		
										mμ 425	mμ 525	mμ 650
04.2-20.8 Taylor Landing	15 Apr	1545	14.3	W-3	0	17.0	22.21	--	--	.193	.149	.119
04.9-15.3 Green Run Inlet	15 Apr	1315	14.2	W-3	0 4	15.2 15.2	24.94 24.94	-- -0.4	--	.206 .242	.164 .201	.130 .180
05.1-18.2 Martin Bay	15 Apr	1410	14.3	W-3	0 3½	16.2 15.7	22.99 22.99	-- +0.1	--	.105 .139	.078 .104	.061 .076
05.4-19.7 Brocktonorton Bay	15 Apr	1430	14.0	W-3	0 3½	15.7 15.6	22.65 22.65	-- +0.2	--	.117 --	.076 --	.062 --
07.4-11.9 (38) (75) Sugar Pt.	16 Apr	1045	9.9	NE-3	0 5½	12.8 12.8	23.30 23.40	-- -0.6	--	.399 .200	.333 .177	.288 .143
07.9-13.7	16 Apr	1030	10.3	NE-3	0 6	13.2 13.2	23.75 23.75	-- -0.4	--	.275 --	.223 --	.176 --
08.4-15.5	16 Apr	1020	10.7	NE-1	0 6	13.2 13.2	22.75 22.75	-- -0.8	--	.464 --	.396 --	.340 --
08.9-17.0	16 Apr	1000	10.7	NE-1	0 4	13.2 13.3	22.72 22.81	-- -0.7	--	.296 --	.230 --	.191 --
09.7-15.6 Rick's Pt.	16 Apr	1330	12.0	NW-3	0 6½	13.3 13.3	22.21 22.83	-- -0.4	--	.413 --	.329 --	.296 --
10.1-14.2 Beacon "39"	16 Apr	1540	13.2	NW-3	0 4 8	13.3 13.3 13.4	22.72 22.72 23.31	-- -- -1.6	--	.152 .148 --	.116 .111 --	.099 .093 --
11.0-12.8 Beacon "35"	16 Apr	1530	12.8	NW-3	0 6	13.2 13.1	25.44 25.47	-- -0.2	--	.148 --	.117 --	.096 --
11.3-15.2 Kelly Pt.	16 Apr	1345	12.2	NW-3	0 5½	13.4 13.1	22.18 22.65	-- -0.4	--	.408 .560	.349 .480	.286 .417
12.1-11.4 Beacon "31"	16 Apr	1455	13.4	NW-2	0 4 8	13.5 13.3 13.3	23.95 23.95 24.33	-- -- -2.0	--	.220 .236 --	.176 .190 --	.151 .156 --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/l.)	E-10 cm cell		
										m A 425	m H 525	m A 650
12.1-11.4	21 Apr	0920	23.3	N=3	0 8	13.3 13.1	23.62 23.62	-- --	-- --	.066 --	.045 --	.028 --
12.4-14.7 Handy Hammock	16 Apr	1355	12.1	NW=3	0 5	13.1 13.1	21.27 21.71	-- 6.3	-- -0.3	.401 --	.330 --	.278 --
13.0-12.4	16 Apr	1446	13.0	NW=2	0 6½	13.8 13.5	21.42 21.42	-- 6.2	-- -0.4	.218 --	.176 --	.154 --
13.7-14.3 Marshall Cr. Ent.	16 Apr	1405	11.9	NW=3	0 4½	13.8 13.6	20.37 20.37	-- 6.3	-- -0.3	.377 --	.303 --	.255 --
13.8-12.2 Knott Pt.	16 Apr	1439	12.6	NW=2	0 6½	14.0 13.9	21.69 21.35	-- 6.3	-- -0.2	.188 --	.142 --	.120 --
14.6-13.0	16 Apr	1417	12.2	NW=3	0 5	13.7 13.7	19.90 20.05	-- 6.5	-- -0.1	.193 --	.135 --	.108 --
15.2-11.6 Trappe Cr. Ent.	16 Apr	1427	12.4	NW=3	0 5	13.7 13.6	18.12 18.03	-- 6.5	-- -0.3	.206 --	.147 --	.106 --
17.6-09.7 Ayres Cr. Bridge	22 Apr	1620	17.6	SSE=4	0 5	20.6 20.3	2.16 2.16	-- --	-- --	-- --	-- --	-- --
SINEPUXENT BAY 12.2-09.8 Ferry Channel	16 Apr	1507	13.1	NW=2	0 5	12.9 12.8	25.34 25.63	-- 6.5	-- 0.0	.198 --	.145 --	.121 --
14.2-09.4 Beacon "21"	22 Apr	0830	17.3	SE=4	0 7½	17.1 17.2	24.78 24.78	-- --	-- --	-- --	-- --	(2) --
14.2-09.4	22 Apr	1040	21.7	SSE=4	0 10	18.5 18.5	24.34 24.34	-- 5.9	-- -0.1	-- --	-- --	(4) --
15.9-08.4 (38) (75) Beacon "15"	22 Apr	0812	16.4	SE=4	0 7½	16.4 16.4	27.16 27.25	-- --	-- --	-- --	-- --	(2) --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell		
										m/L 425	m/L 525	m/L 650
15.9-08.4	22 Apr	1025	19.3	SSE-4	0 8	18.1 17.7	25.77 26.13	-- --	-- --	-- --	-- --	(2) --
17.0-07.8 Beacon "13"	22 Apr	0800	15.9	ESE-3	0 8½	14.3 14.3	28.75 28.75	-- --	-- --	-- --	-- --	(2) --
17.0-07.8	22 Apr	1015	17.9	SSE-4	0 10	16.4 16.4	28.12 28.12	-- 5.8	-- -0.2	-- --	-- --	(4) --
18.0-06.9 Beacon "8"	22 Apr	0750	15.4	ESE-3	0 8½	12.8 12.8	29.22 29.22	-- --	-- --	-- --	-- --	(1) --
18.0-06.9	22 Apr	1005	17.9	SSE-4	0 8	15.8 15.8	28.28 28.21	-- 5.2	-- -0.9	-- --	-- --	(4) --
19.4-05.8 So. Ocean City Inlet	22 Apr	0730	16.5	ESE-3	0 28	12.8 12.8	29.04 29.04	-- --	-- --	-- --	-- --	(3) --
19.4-05.8	22 Apr	0915	17.3	SE-4	0 27	13.3 13.1	28.89 28.89	-- --	-- --	-- --	-- --	(5) --
19.4-05.8	22 Apr	1030	18.9	SE-4	0 24	14.0 14.1	29.00 28.89	-- 6.6	-- +0.4	-- --	-- --	(5) --
19.4-05.8	22 Apr	1330	22.8	SSE-4	0 24	17.1 16.8	28.35 28.13	-- 5.9	-- 0.0	-- --	-- --	(4) --
19.4-05.8	22 Apr	1430	19.6	SSE-4	0 21	17.8 17.5	28.10 27.85	-- 5.9	-- +0.1	-- --	-- --	(2) --
19.4-05.8 (38) (75) So. Ocean City Inlet	22 Apr	1550	17.9	SSE-4	0 21	17.2 16.7	28.39 28.39	-- --	-- --	-- --	-- --	(2) --

Station (Lat.=Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			
										mμ 425	mμ 525	mμ 650	
ISLE OF WIGHT & ASSAWOMAN BAYS													
19.7-05.5 Old Bridge	21 Apr	1108	23.2	N-3	0 19	15.0 15.0	29.00 29.00	-- 5.8	-- -0.3	.058 .047	.034 .042	.027 .031	
20.5-05.2 Beacon "4" (Old #2)	21 Apr	1120	21.5	N-3	0 10	15.8 15.8	28.22 28.22	-- 5.7	-- -0.3	.065 --	.042 --	.032 --	
21.8-05.3 Beacon "5"	21 Apr	1135	20.8	N-3	0 4½	17.2 16.7	27.34 27.34	-- 5.9	-- 0.0	.066 .063	.047 .039	.033 .040	
23.4-05.5	21 Apr	1200	19.3	N-4	0 7	17.8 16.9	25.88 26.55	-- 5.3	-- -0.7	.050 --	.025 --	.015 --	
24.4-05.5	21 Apr	1215	19.1	N-4	0 6½	18.4 18.0	23.96 24.51	-- 5.8	-- -0.1	.060 --	.029 --	.021 --	
25.6-04.9	21 Apr	1230	19.8	N-4	0 6	18.7 18.3	22.85 22.85	-- 5.6	-- -0.3	.052 --	.033 --	.012 --	
25.9-06.5 Grey's Cr.	21 Apr	1400	17.7	NE-4	0 4½	19.4- 19.0	24.14 24.14	-- 5.2	-- -0.6	.086 .272	.043 .197	.033 .149	
26.7-04.0 Ent. Fenwick Is. Channel	21 Apr	1330	19.7	NNE-4	0 8	20.1 --	18.78 18.86	-- 5.0	-- --	.130 .179	.077 .118	.047 .088	
26.9-04.8	21 Apr	1340	18.7	NNE-4	0 4	19.6 19.0	21.18 21.18	-- 5.5	-- -0.4	.105 --	.073 --	.030 --	
27.2-03.8 Ent. to Little Assawoman Bay	21 Apr	1300	18.9	N-4	0 15	20.3 19.0	17.59 18.28	-- 5.0	-- -1.0	.131 .134	.070 .075	.046 .052	
23.1-07.0	21 Apr	1435	17.3	ENE-4	0 4½	18.6 19.0	28.06 28.13	-- 5.2	-- -0.5	.033 --	.023 --	.017 --	
24.3-08.5	21 Apr	1450	17.6	ENE-4	0 5	19.2 18.8	25.46 25.75	-- 6.6	-- -0.8	.090 --	.057 --	.034 --	
24.5-10.3	21 Apr	1506	17.3	ENE-4	0 3½	20.6 20.1	24.33 24.33	-- 5.6	-- -0.1	.056 --	.032 --	.015 --	

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell		
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
SEASIDE 19°1-05.8 Surf-So. Ocean City	21 Apr	1500	18.8	SSE-4	0	15.2	29.25	--	--	--	--	--

Part II-12 28 April to 4 June 1952

Station (Lat.=Long.)	Date	Depth (ft.)	Water (°C)	Sal (o/oo)
5.1=22.8 (37) (75) Chincoteague Channel	15 May	0	16.8	29.02
		6	16.9	29.02
02.5=21.6 (38) (75) George Is. Landing	15 May	0	20.6	25.32
03.5=17.6 White Rock	8 May	0	16.9	22.94(36)
		5	16.8	24.36
03.5=17.6	22 May	0	19.6	25.55
		5	19.3	25.55
03.6=15.4 Rum Harbor	8 May	0	16.7	25.03
		5	16.8	25.03
03.6=15.4	22 May	0	20.4	25.23
		5	20.3	25.23
08.9=17.0 Public Landing	28 Apr	0	12.8	22.11
08.9=17.0	29 Apr	0	12.8	22.27
08.9=17.0	30 Apr	0	17.2	22.66
08.9=17.0	1 May	0	18.3	24.76
08.9=17.0	2 May	0	17.7	22.95
08.9=17.0	4 May	0	19.2	23.30
08.9=17.0	5 May	0	17.1	23.75



## Part II-13 2 June to 10 June 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
CHINCOTEAGUE BAY AND INLETS														
52.6-23.5 (37) (75) Fishing Pt.	9 June	1225	27.8	SSW-3	0 4 10 20 30 49	21.7 21.6 21.8 -- -- 21.8	30.05 30.05 30.05 -- -- 30.05	-- -- -- -- -- 5.1	-- -- -- -- -- 0.2	.157	.137	.117	180	1.0 (1.2)
										.195	.158	.125	180	1.2
										.229	.190	.166	180	1.0
										--	--	--	180	1.0
										--	--	--	180	1.0
										--	--	--	--	1.0 (1.2)
52.5-20.8 Assateague Cove (Tom's Cove)	9 June	1430	28.0	SSW-3	0	27.9	29.90	--	--	--	--	--	--	-- (1.4)
										--	--	--	--	--
53.8-25.4 Chincoteague Pt.	9 June	1200	25.9	SSW-3	0 4 10 16	21.3 21.2 -- 21.9	30.12 30.12 -- 29.96	-- -- -- 5.1	-- -- -- 0.2	.142	.114	.092	170	1.4
										.329	.250	.203	170	1.2
										--	--	--	170	1.0
										.171	.157	.134	170	0.8
										--	--	--	--	--
55.1-23.7	9 June	1130	27.2	SW-2	0 4 10 15 20 25	21.3 21.4 21.4 -- -- 21.2	29.99 29.99 29.99 -- -- 29.99	-- -- -- -- -- 4.7	-- -- -- -- -- 0.7	.155	.140	.122	200	1.0
										.203	.158	.128	200	1.1
										.190	.162	.131	200	1.2
										--	--	--	200	0.9
										--	--	--	200	0.8
										.155	.100	.087	--	--
56.0-24.9 (37) (75) Queen Sound Bridge	9 June	0805	23.4	SSE-2	0 4 10 15 23	20.6 20.6 20.6 20.6 20.6	30.03 30.10 30.10 -- 30.10	-- -- -- -- 3.5	-- -- -- -- 2.0	.316	.255	.214	340	1.4
										.346	.287	.269	340	.8
										.337	.269	.217	340	.8
										--	--	--	340	.8
										.403	.347	.267	340	.6
56.3-22.4 Beacon "1" Chincoteague Channel	9 June	1010	25.0	SSW-3	0 4 10 17	21.1 21.1 21.1 21.1	29.92 30.07 29.96 30.07	-- -- -- 4.4	-- -- -- 1.0	.130	.110	.077	000	Slack
										.130	.121	.078	000	0.3
										.107	.125	.101	000	0.3
										.145	.112	.085	--	Slack

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Current	
										m $\mu$ 425	m $\mu$ 525	m $\mu$ 650	Dir (°T)	Vel (kts)
57.5-23.8 (37° 75')	9 June	0840	22.8	SSE-2	0 5	21.3 21.3	29.92 29.92	-- 3.7	-- -1.7	.268 .330	.232 .296	.196 .270	030 030	0.7 0.6
58.5-23.0 Beacon Pt.	9 June	0940	25.6	SSW-3	0 4 6½	24.4 24.4 24.4	28.74 28.74 28.93	-- -- 4.4	-- -- -0.7	.281 .298 .337	.224 .251 .284	.188 .206 .221	-- -- --	-- -- --
59.0-24.2 Cockle Pt.	9 June	0920	25.2	SSW-3	0 5½	24.8 25.0	26.74 26.74	-- 4.2	-- -1.0	.332 .364	.263 .302	.221 .246	-- --	-- --
59.1-25.6 Swans Out Cr. Ent.	9 June	0905	25.2	SSW-3	0 4	25.0 25.0	26.47 26.47	-- 3.9	-- -1.3	.248 --	.195 --	.148 --	-- --	-- --
59.7-21.0	4 June	0915	22.1	S-5	0 4 7½	21.8 21.8 21.7	27.43 27.59 27.59	-- -- 5.0	-- -- -0.5	.426 .525 --	.366 .455 --	.308 .385 --	-- -- --	-- -- --
00.0-17.0 (38) (75) Ragged Pt. Marshes	4 June	1100	22.6	SSW-5	0 4	22.7 22.4	27.56 27.56	-- 5.0	-- -0.4	.176 .195	.149 .154	.125 .109	-- --	-- --
00.2-22.2	4 June	0905	22.2	S-5	0 4 7	21.8 21.8 21.8	26.64 26.64 26.64	-- -- 4.8	-- -- -0.8	.490 .591 --	.420 .520 --	.351 .442 --	-- -- --	-- -- --
01.2-18.9	4 June	0955	22.9	S-5	0 4 7	21.8 21.8 22.0	27.97 27.79 27.79	-- -- 4.8	-- -- -0.6	.373 .391 --	.314 .340 --	.261 .293 --	-- -- --	-- -- --
01.5-20.1	4 June	0945	22.5	SSW-5	0 4 7	21.6 21.6 21.6	27.97 27.97 27.97	-- -- 4.7	-- -- -0.7	.494 .565 --	.410 .491 --	.323 .417 --	-- -- --	-- -- --

S. Loc. (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
02.0-16.7 (38) (75) Cedar Islands	4 June	1100	22.9	SSW-5	0 6	22.1 22.2	25.99 25.99	-- 5.3	-- -0.1	.176	.160	.127	--	--
										.228	.180	.139	--	--
02.2-21.2 Parker Bay Entrance	4 June	0850	22.8	S-5	0 6	21.7 21.6	25.77 25.77	-- 4.8	-- -0.8	.487	.429	.380	--	--
										--	--	--	--	--
02.8-21.2 Parker Bay	4 June	1325	24.3	SSW-5	0 3½	24.3 24.3	25.59 25.59	-- 5.1	-- -0.2	.401	.347	.284	--	--
										--	--	--	--	--
03.4-16.1 Striking Marsh	4 June	1120	23.1	SSW-5	0 4 7	22.1 22.1 22.1	25.32 25.32 25.32	-- -- 5.1	-- -- -0.4	.299	.267	.229	--	--
										.395	.314	.272	--	--
03.5-17.6 White Rock	8 June	1115	27.7	S-1	0 5½	25.4 24.8	25.08 24.98	-- 4.7	-- -0.5	.273	.212	.215	--	--
										.287	.227	.179	--	--
03.6-15.4 Rum Harbor	8 June	1100	27.8	S-1	0 5	25.9 25.5	26.09 26.09	-- 4.0	-- -1.2	.233	.195	.149	--	--
										.310	.244	.195	--	--
03.7-17.7 White Rock	4 June	1200	22.4	SSW-5	0 6	22.4 22.3	24.92 24.92	-- 5.1	-- -0.1	.525	.469	.402	--	--
										--	--	--	--	--
04.0-21.0 Johnson Bay	4 June	1315	24.2	SSW-5	0 4½	23.4 23.4	23.35 23.35	-- 5.3	-- 0.0	.240	.193	.160	--	--
										--	--	--	--	--
04.2-18.8 Johnson Bay	4 June	1210	23.2	SSW-5	0 5	22.1 22.7	24.45 24.45	-- 5.0	-- -0.4	.437	.341	.279	--	--
										--	--	--	--	--
04.6-20.8 Taylor Landing	4 June	1410	24.3	SSW-5	0	25.4	22.63	--	--	1.164	1.028	.898	--	(14)

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell			Current	
										m $\mu$ 125	m $\mu$ 525	m $\mu$ 650	Dir (°T)	Vel (kts)
34.6-13.8 (75)	10 June	0915	31.6	SW-2	0	26.9	24.02	--	--	--	--	--	--	--
01.9-15.3 Green Run Bay Int.	4 June	1140	23.2	SSW-5	0 4	22.6 22.4	24.96 24.96	-- 5.1	-- -0.4	.389 .458	.333 .378	.284 .308	-- --	-- --
05.1-18.2 Martin Bay	4 June	1230	23.6	SSW-5	0 3½	23.2 22.9	24.25 24.25	-- 5.1	-- -0.3	.274 --	.229 --	.196 --	-- --	-- --
05.2-16.6	8 June	1045	28.7	S-1	0 4 6½	25.4 25.2 24.8	24.63 24.63 24.63	-- -- 4.6	-- -- -0.6	.237 .491 .542	.187 .427 .446	.156 .367 .359	-- -- --	-- -- --
05.4-19.7 Brocktonorton Bay	4 June	1250	23.9	SSW-5	0 4	23.4 23.2	23.17 23.17	-- 4.9	-- -0.5	.636 --	.541 --	.442 --	-- --	-- --
06.2-13.2	2 June	1530	25.9	E-2	0 5	22.8 21.4	21.60 22.00	-- 4.6	-- -1.0	.166 --	.125 --	.100 --	-- --	-- --
06.5-11.9	2 June	1500	28.9	E-2	0	29.2	19.43	--	--	.108	.079	.050	--	(13)
06.6-17.2 Off Blue Pond	8 June	1135	28.3	S-1	0 5½	25.6 25.3	24.00 24.00	-- 4.5	-- -0.7	.214 .296	.169 .242	.154 .191	-- --	-- --
07.5-11.9	2 June	1350	27.2	NW-2	0 4	21.8 21.8	20.97 21.40	-- 6.0	-- -0.4	.187 --	.148 --	.118 --	-- --	-- --
07.9-14.7	2 June	1340	27.9	NW-2	0 4 9	21.4 21.1 20.6	24.22 24.22 24.52	-- -- 5.5	-- -- -0.2	.304 .317 --	.244 .278 --	.204 .234 --	-- -- --	-- -- --
08.5-15.6	2 June	1320	29.4	NW-2	0 4 7	21.6 21.6 21.2	23.44 23.44 23.89	-- -- 5.5	-- -- 0.0	.237 .201 --	.200 .218 --	.156 .183 --	-- -- --	-- -- --

Location (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
08.9-17.0 (38) (75) Public Landing	2 June	1310	29.4	NW-1	0 4	22.1 21.8	22.92 22.92	6.1	0.5	.143 --	.097 --	.080 --	-- --	-- --
08.9-17.0	5 June	0940	28.0	WNW-1	0 4½	23.6 23.4	23.13 23.44	4.4	-- -1.0	.255 .380	.223 .314	.160 .256	-- --	-- --
08.9-17.0	7 June	1035	28.2	WSW-5	0	--	23.77	--	--	--	--	--	--	--
08.9-17.0	8 June	1150	29.3	S-2	0 4	26.3 25.4	23.82 23.82	4.5	-- -0.7	.226 .248	.170 .196	.154 .150	-- --	-- --
08.7-17.0	10 June	1220	31.9	SE-1	0 3½	25.9 25.9	24.05 24.05	--	--	--	--	--	--	--
09.0-17.1 Small Boat Harbor, Public Landing	2 June	1600	25.1	E-2	0 3	26.7 22.2	13.48 23.10	6.1	0.6	.554 .308	.291 .216	.144 .116	-- --	(24) --
09.7-15.6 Rick's Pt.	3 June	0920	25.9	NW-2	0 4 6½	21.1 21.0 20.9	22.85 22.97 23.12	-- -- 5.7	--	.192 .238 --	.140 .190 --	.118 .162 --	-- -- --	-- -- --
10.1-14.2 Beacon "39"	3 June	1430	25.3	SE-4	0 7½	22.9 22.2	23.12 23.26	6.4	0.9	.153 --	.105 --	.080 --	-- --	-- --
11.0-12.8 Beacon "35"	3 June	1415	25.3	SE-3	0 6½	22.9 22.1	21.73 25.30	--	--	.157 --	.108 --	.091 --	-- --	-- --
11.3-15.2 Kelly Pt.	3 June	0935	25.2	NW-1	0 4 6½	21.3 21.2 21.5	22.81 22.81 22.50	-- -- 5.9	--	.144 .167 --	.14 .130 --	.077 .092 --	-- -- --	-- -- --
12.1-11.4 Beacon "31"	3 June	1400	25.7	SE-3	0 4 8½	23.1 22.9 20.6	21.20 21.26 26.69	-- -- 6.3	--	.137 .135 --	.083 .091 --	.050 .071 --	-- -- --	-- -- --
12.1-11.4	5 June	1025	27.7	ESE-3	0 4 8	23.9 23.6 23.2	22.92 23.08 23.46	4.8	-0.6	.163 .215 --	.170 .170 --	.106 .135 --	-- -- --	-- -- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E - 10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
12.4-14.7 (38) (75) Handy Hammock	3 June	0950	25.6	NW-1	0 6	21.1 21.1	22.72 23.06	-- 6.1	-- 0.5	.095 --	.074 --	.062 --	-- --	-- -- <sup>(23)</sup>
13.0-12.4	3 June	1330	26.6	SE-3	0 6½	22.5 21.8	20.03 22.59	-- 6.6	-- 1.0	.176 --	.114 --	.088 --	-- --	-- --
13.7-14.3 Marshall Cr. Ent.	3 June	1000	27.6	NW-1	0 4	22.4 21.6	17.88 22.47	-- 5.4	-- 0.2	.498 --	.323 --	.222 --	-- --	-- -- <sup>(22)</sup>
13.8-12.2 Knott Pt.	3 June	1330	26.6	SE-3	0 6½	22.5 21.8	20.03 22.59	-- 6.6	-- 1.0	.176 --	.114 --	.088 --	-- --	-- --
14.1-15.3 Newark Landing	3 June	1010	28.6	NW-1	0 3½	22.6 22.5	2.21 3.12	-- --	-- --	1.006 1.110	.615 .682	.338 .460	-- --	-- -- <sup>(24)</sup>
14.6-13.0	3 June	1030	27.6	NW-1	0 5	22.6 21.7	21.11 22.09	-- 5.0	-- 0.6	.177 --	.116 --	.088 --	-- --	-- -- <sup>(22)</sup>
15.2-11.6 Trappe Cr. Ent.	3 June	1045	26.4	NW-1	0 3½	23.2 22.4	13.50 17.90	-- 5.7	-- 0.0	.429 --	.281 --	.186 --	-- --	-- -- <sup>(24)</sup>
16.5-10.4 Trappe Creek	3 June	1245	27.8	SE-2	0 3½	23.3 23.3	.98 1.09	-- --	-- --	.885 --	.565 --	.343 --	-- --	-- -- <sup>(24)</sup> <sup>(37)</sup>
17.6-09.7 Ayres Cr. Bridge	3 June	1145	29.8	NW-1	0 5½	25.1 22.7	.30 .30	-- --	-- --	.820 .866	.449 .481	.192 .248	-- --	-- -- <sup>(24)</sup> <sup>(7)</sup>
18.3-11.3 Trappe Creek	3 June	1225	27.8	SE-1	0	24.4	.08	--	--	.698	.436	.131	--	-- <sup>(24)</sup> <sup>(15)</sup>

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E-10 cm cell			Current	
										m/μ 425	m/μ 525	m/μ 650	Dir (°T)	Vel (kts)
SINEPUXENT BAY 12.2-09.8 (38) (75) Ferry Channel	3 June	1345	26.2	SE-3	0 4½	25.1 24.9	23.53 23.82	-- 5.9	-- +0.5	.226 --	.187 --	.150 --	-- --	-- --
13.3-10.4 Beacon "27"	5 June	1048	28.2	ESE-2	0 4 8½	24.2 23.8 23.4	22.59 22.75 23.15	-- -- 4.8	-- -- -0.6	.149 .179 .255	.120 .140 .210	.087 .118 .179	-- -- --	(2) -- --
14.2-09.4 Beacon "21"	5 June	1100	27.7	SSE-3	0 4 11	23.1 23.2 23.5	22.74 22.15 23.35	-- -- 5.0	-- -- -0.4	.210 .205 .217	.160 .173 .278	.125 .148 .165	-- -- --	(7) -- --
15.9-08.4 Beacon "15"	5 June	1130	27.9	SSE-3	0 4 8½	23.3 23.3 23.3	24.54 24.54 24.54	-- -- 4.8	-- -- -0.6	.170 .216 --	.140 .170 --	.120 .135 --	-- -- --	(7) -- --
17.0-07.8 Beacon "13"	5 June	1145	27.8	SSE-3	0 4 9½	23.2 23.2 23.3	23.89 23.89 --	-- -- 4.8	-- -- --	.196 .223 --	.162 .171 --	.138 .136 --	-- -- --	(5) -- --
18.0-06.9 Beacon "8"	5 June	1210	27.5	SE-3	0 4 9	23.2 23.2 23.3	24.16 24.25 24.04	-- -- 4.3	-- -- -0.6	.192 .201 .206	.155 .151 .170	.123 .119 .151	-- -- --	(5) -- --
19.2-06.4 Beacon "5"	5 June	1230	27.9	SE-2	0 4 17	23.5 23.4 23.8	24.69 24.22 24.60	-- -- 5.2	-- -- -0.1	.158 .169 .191	.113 .140 .145	.089 .116 .115	-- -- --	(5) -- --
19.3-05.9 Cove So. Ocean City Inlet	6 June	1550	25.9	S-3	0	25.6	25.03	--	--	--	--	--	--	--
19.5-05.8 So. of Ocean City Inlet	5 June	1325	26.7	NE-3	0 4 29	24.1 24.0 23.9	24.56 24.56 24.56	-- -- 4.7	-- -- -0.6	.140 .176 .148	.111 .140 .095	.080 .103 .077	-- -- --	-- -- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)	E -10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
ISLE OF WIGHT & ASSAWOMAN BAYS														
19.7-05.5 Old Bridge	6 June	1430	24.7	S-4	0 20	23.9 23.7	22.92 24.18	-- 5.3	-- -0.1	-- --	-- --	-- --	-- --	-- --
20.3-07.8 Herring Cr. Bridge	6 June	1320	26.4	S-4	0 3½	28.6 27.8	12.57 12.76	-- 5.5	-- +0.1	-- --	-- --	-- --	-- --	(5) --
20.5-05.2 Beacon "4"	6 June	1415	24.7	S-4	0 12	23.5 23.4	23.33 23.33	-- 6.0	-- +0.6	-- --	-- --	-- --	-- --	-- --
21.8-05.3 Beacon "5"	6 June	1355	26.9	S-4	0 4½	24.6 20.5	21.38 26.20	-- 5.5	-- -0.1	-- --	-- --	-- --	-- --	-- --
22.2-07.3 Keyser Pt.	6 June	1250	25.1	S-4	0 6	24.9 24.3	20.01 22.23	-- 6.0	-- +0.6	-- --	-- --	-- --	-- --	-- --
23.4-05.6 Off Poplar Pt.	6 June	1230	26.3	S-4	0 6	24.2 23.7	20.81 25.25	-- 5.8	-- +0.5	-- --	-- --	-- --	-- --	-- --
24.4-05.5	6 June	1210	26.7	SSE-3	0 6½	24.4 23.7	20.19 20.86	-- 6.0	-- +0.5	-- --	-- --	-- --	-- --	-- --
25.6-04.9	6 June	1145	27.4	SSE-3	0 6	24.7 23.9	19.09 20.26	-- 5.6	-- +0.1	-- --	-- --	-- --	-- --	-- --
25.9-06.5 Grey's Cr.	6 June	1155	27.0	SSE-3	0 5	24.8 24.8	19.79 19.87	-- 5.3	-- -0.1	-- --	-- --	-- --	-- --	-- --
26.7-04.0	6 June	1120	30.0	S-2	0 3½	24.3 24.1	15.44 15.44	-- 5.4	-- -0.2	-- --	-- --	-- --	-- --	-- --
26.9-04.8	6 June	1130	29.1	SSE-2	0 5½	25.9 24.9	16.83 17.70	-- 5.7	-- +0.3	-- --	-- --	-- --	-- --	-- --
27.2-03.8 Ent. Little Assawoman Bay	6 June	1110	30.3	SSW-2	0 4 16	25.3 25.4 24.8	13.82 13.82 14.99	-- -- 5.8	-- -- +0.2	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)	E-10 cm cell			Current	
										mμ 425	mμ 525	mμ 650	Dir (OT)	Vel (kts)
ST. MARTIN'S RIVER														
23.1-07.0	5 June	1525	26.3	ESE-2	0 5½	24.4 24.4	20.82 20.82	∞ 4.2	∞ 1.2	.255 ∞	.182 ∞	.148 ∞	∞ ∞	∞ ∞
24.2-08.5	5 June	1505	27.8	ENE-2	0 5½	26.7 24.6	17.25 19.31	∞ 6.6	∞ 1.1	.231 ∞	.127 ∞	.090 ∞	∞ ∞	∞ ∞
24.5-10.3	5 June	1450	27.5	ENE-2	0 4	26.9 26.3	15.59 17.83	∞ 7.1	∞ 1.8	.266 ∞	.152 ∞	.080 ∞	∞ ∞	∞ ∞
24.3-11.5	5 June	1425	26.6	ENE-3	0	27.3	17.30	9.0	3.7	.256	.150	.089	∞	(15)
SEASIDE														
52.4-20.8 (37) (75)	9 June	1410	28.1	SSW-3	0	22.1	30.19	∞	∞	∞	∞	∞	∞	∞
06.3-11.2 (38) (75)	2 June	1420	28.0	E-2	0	17.6	29.11	∞	∞	∞	∞	∞	∞	∞

## Part II-14 11 June to 20 June 1952

Station (Lat.-Long.)	Date	Wind	Depth (ft)	Water (°C)	Sal (o/oo)
03.5-15.7 (38) (75) Rum Harbor	18 June	W-4	0 4½	27.2 26.8	29.09 29.09
03.5-17.6 White Rock	18 June	W-4	0 6	27.6 26.9	26.85 27.11
05.9-18.9 Rattlesnake Landing	18 June	W-5	0	28.2	26.73
08.9-14.9 So. of Robbins Marsh	12 June	NW-1	0 6	23.6 22.7	24.34 24.34
08.9-17.0 Public Landing	11 June	NW-6	0	25.2	24.22
08.9-17.0	12 June	NW-1	0	18.2	24.22
08.9-17.0	13 June	E-1	0	26.2	24.51
08.9-17.0	16 June	W-1	0	26.1	24.58
08.9-17.0	18 June	W-5	0	30.0	25.26
08.9-17.0	19 June	S-5	0	30.0*	25.16
08.9-17.0	20 June	E-4	0	28.1	24.57
13.6-10.7 Green Point	13 June	S-1	0 6	23.3 23.2	-- 24.00
19.4-06.0 Cove So. of Ocean City Inlet	13 June	S-4	0	19.5	28.42
23.2-07.2 St. Martins River Ent.	13 June	S-1	0 4	22.7 21.9	25.66 25.56
08.9-17.0	17 June	W-4	0	28.3	24.78

## Part II-15 23 June to 27 June 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Dir	Waves		Depth (ft)	Water (°C)	Sal (o/oo)	Current	
						Lgth (ft)	Ht (ft)				Dir (°T)	Vel (kts)
54.5-22.9 (37) (75) Chincoteague Yacht Club	27 June	0725	--	0	--	0	0	0	27.4	30.68	345	.17
54.5-22.9	27 June	1000	34.1	NW-1	--	0	0	0	27.3	30.68	345	.15
54.5-22.9	27 June	1235	33.2	ENE-3	--	0	0	0	29.2	30.68	165	.25
54.5-22.9	27 June	1540	31.3	NE-4	--	--	--	0	27.7	30.68	165	.32
56.1-22.8 Chincoteague Channel	27 June	0645	27.9	0	--	--	--	0	27.7 27.7	30.62 30.62	-- --	-- --
56.1-22.8	27 June	0900	32.3	NW-2	--	--	--	0	28.2 28.2	30.70 30.70	045 --	.28 --
56.1-22.8	27 June	1115	33.4	NW-2	--	--	--	0	26.7 26.9	30.50 30.50	045 --	.36 --
56.1-22.8 Chincoteague Channel	27 June	1350	30.5	NE-5	--	--	--	0	27.4 27.4	30.52 30.52	205 --	.21 --
56.1-22.8	27 June	1555	29.4	NE-5	--	--	--	0	28.7 28.7	30.61 30.70	205 --	.59 --
56.1-25.1 Queen Sound Bridge	27 June	0515	26.3	0	--	--	--	0	26.3	30.62	345	1.68 1.25
								5	--	--	345	1.25
								10	--	--	345	1.25
								15	--	--	345	1.25
								20	--	--	345	1.25
								25	26.1	30.46	345	1.25

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Current	
					Dir	Lgth (ft)	Ht (ft)				Dir (°T)	Vel (kts)
56.1-25.1 (37) (75) Queen Sound Bridge	27 June	0905	29.1	NW-3	--	0	0	0 25	27.8 27.7	30.23 30.23	--	Slack --
56.1-25.1	27 June	1045	36.2	NW-3	--	0	0	0 17	26.8 26.8	30.48 30.48	345 --	1.05 -- (31)
56.1-25.1	27 June	1315	31.7	NE-5	--	0	0	0 33	26.7 26.0	30.46 30.46	165 --	.25 --
56.1-25.1	27 June	1610	28.6	NE-5	--	0	0	0 33	28.4 28.0	30.50 30.50	165 --	.74 -- (31)
02.0-21.2 (38) (75) Parker Bay Ent.	26 June	1045	32.8	NW-3	NW	4	0.2	0 2 3 4½	28.3 -- -- 28.5	28.42 -- -- 28.55	340 340 340 --	.19 .19 .18 --
02.0-21.2	26 June	1330	--	SW-2	--	--	--	0 2 3	-- -- --	-- -- --	030 030 030	.17 .08 .03
02.0-21.2	26 June	1510	32.0	W-3	W	3	0.3	0 2 3 5.0	29.9 -- -- 29.9	28.64 -- -- 28.71	130 130 130 --	.29 .29 .29 --
02.5-21.6 Off George Island Landing	26 June	0955	29.4	NW-4	NW	4	0.3	0 1½ 2½	27.8 -- 27.8	28.69 -- 28.57	030 030 --	.28 .17 --

Station (Lat.=Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Current	
					Dir	Lgth (ft)	Ht (ft)				Dir (°T)	Vel (kts)
02.5-21.6 (38) (75) Off George Island Landing	26 June	1100	--	--	--	--	--	0 1½	-- --	-- --	015 015	.33 .29
02.5-21.6	26 June	1205	35.0	0	0	0	0	28.7 -- 28.7	28.57 -- 28.57		015 015 --	.38 .27 --
02.5-21.6	26 June	1305	--	SE-2	2	0.2	0 1½	-- --	-- --		015 015	.27 .27
02.5-21.6	26 June	1400	34.2	SSW-3	2	0.2	0 1½ 2½	29.4 -- 29.4	28.64 -- 28.64		190 190 --	.09 .07 --
02.5-21.6	26 June	1445	--	W-4	--	--	0 1½	-- --	-- --		190 190	.35 .27
02.5-21.6	26 June	1540	--	W-3	--	--	0 1½	-- --	-- --		190 190	.27 .27
03.3-21.0 No. Parker Bay	26 June	0910	29.6	NW-3	6	0.5	0 2 2½	28.2 -- 28.2	27.74 -- 27.74		045 -- 045	.13 -- .03
03.3-21.0	26 June	1245	--	SE-1	--	--	0 2	-- --	-- --		350 350	.21 .21
03.3-21.0	26 June	1420	--	SW-3	--	--	0 2	-- --	-- --		-- --	Slack Slack

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Current	
					Dir	Lgth (ft)	Ht (ft)				Dir (°T)	Vel (kts)
03.3-21.0 (38) (75)	26 June	1600	31.9	W-3	W	3.5	0.3	0 1½ 2½	31.9 -- 31.9	28.15 -- 28.15	210 150 --	.03 .04 --
03.5-15.7 Rum Harbor	25 June	1045	28.6	NW-3	NW	9	.8	0 2 4½	25.1 -- 25.4	28.08 -- 28.08	085 085 --	.52 .52 --
03.5-15.7	25 June	1105	--	--	--	--	--	0 2	-- --	-- --	080 080	.11 .11
03.5-15.7	25 June	1145	--	--	--	--	--	0 2	-- --	-- --	080 080	.22 .22
03.5-15.7	25 June	1225	--	--	--	--	--	0 2	-- --	-- --	067 067	.22 .22
03.5-15.7	25 June	1305	30.1	0	0	0	0	0 2 4½	26.6 -- 26.0	28.08 -- 28.08	-- 110 --	-- .07 --
03.5-15.7	25 June	1330	--	--	--	--	--	0 2	-- --	-- --	210 220	.04 .12
03.5-15.7	25 June	1330	--	--	--	--	--	2 2	-- --	-- --	185 185	.11 .07
03.5-15.7	25 June	1515	29.4	NW-2	NW	7	.3	0 4.0	27.8 27.1	27.79 27.79	-- --	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E-10 cm cell		
					Dir	Lgth (ft)	Ht (ft)				mm	mm	mm
08.9-17.0 (39) (75) Public Landing	23 June	1000	21.6	E-4	E	10	.8	0	21.7	24.74	.425	.525	.550
								3	21.7	24.74	.783	.661	.560
08.9-17.0 Public Landing	23 June	1140	21.7	E-3	E	10	.8	0	21.9	24.51	.732	.625	.530
								3	21.9	24.51	.726	.615	.531
08.9-17.0	23 June	1245	22.8	E-3	E-	11	.6	0	22.1	24.56	.652	.538	.469
								3	22.1	24.56	.652	.557	.475
08.9-17.0	23 June	1405	23.3	E-2	--	--	--	0	22.8	24.38	.674	.570	.484
								3	22.8	24.38	.730	.622	.530
08.9-17.0	23 June	1610	21.0	ENE-3	ENE	10	.6	0	22.1	24.14	.607	.528	.444
								3	22.1	24.14	.336	.589	.485
08.9-17.0	24 June	0540	20.2	ENE-1	ENE	*	--	0	21.9	24.43	.194	.147	.125
								3	21.9	24.43	.239	.191	.155
08.9-17.0	24 June	2000	25.0	W-1	0	0	0	0	23.2	24.69	.224	.191	.167
								3	23.2	24.69	.255	.214	.174

\* Slight Swell

Station ( Lat-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	0-10 cm cell			Current	
					Dir	Lgth (ft)	Ht (ft)				mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
08.9-17.0 (38) (75) Public Landing	25 June	0710	28.1	NW-3		0	0	0	23.1	24.70	.135	.105	.092	--	--
	25 June	2315						3(a)	23.1	24.70	.154	.117	.095	--	--
	26 June	0725						3(a)	--	--	.160	.119	.097	--	--
08.9-17.0	26 June	0705	29.2	NW-1	--	0	0	0	24.9	25.37	.169	.128	.107	--	--
								3	24.9	25.37	.220	.174	.161	--	--
08.9-14.9 Robbins Marsh	24 June	0715	23.1	NW-3	NW	2½	0.3	0	22.1	24.99	--	--	--	--	--
								6	22.1	24.99	--	--	--	--	--
12.1-11.4	24 June	3805	22.7	NNW-3	NNW	3	0.3	0	22.0	24.27	--	--	--	Slack	Slack
								8	21.8	25.66	--	--	--	Slack	Slack
SINEPUXENT BAY 13.6-10.8 Green Point	24 June	0825	22.3	NW-1	NW	2	.2	0	21.6	26.35	--	--	--	Slack	Slack
								6½	21.4	28.44	--	--	--	Slack	Slack
14.2-09.4 Beacon "21"	24 June	0850	22.6	0	0	0	0	0	21.2	--	--	--	--	215	.72
								4	21.2	--	--	--	--	215	.90
								8	21.2	--	--	--	--	215	.60
								10	21.1	--	--	--	--	215	.80
15.9-08.4 Beacon "15"	24 June	0915	22.4	0	0	0	0	0	20.4	--	--	--	--	020	.43
								4	20.4	--	--	--	--	020	.43
								6	20.4	--	--	--	--	020	.38
								8	20.4	--	--	--	--	Slack	Slack

(a) Recheck of 3' sample after storage.



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Current	
					Dir	Lgth (ft)	Ht (ft)				Dir (°T)	Vel (kts)
17.0-07.8 (38) (75) Beacon "13"	24 June	0940	23.4	WSW-1	--	0	0	0	20.2 20.2 20.2 20.2	-- -- -- --	020 020 020 020	.99 .94 .80 .63
18.0-06.9 Beacon "8"	24 June	1000	24.4	SW-1	--	0	0	0	20.1 19.9 19.7 19.7	-- -- -- --	020 020 020 020	.47 .69 .63 .63
18.9-06.7 Old Warehouse	24 June	1020	24.2	SW-3	--	--	--	0 3	20.0 20.0	29.56 29.56	-- --	Slack Slack
19.4-06.0	24 June	1040	23.3	W-3	--	0	0	0 4	20.1 20.1	29.56 29.56	-- --	Slack Slack
19.7-05.8 So. Ocean City Inlet	24 June	1145	22.8	NE-2	--	0	0	0 12	21.1 21.1	29.49 29.49	-- --	Strong Ebb
ISLE OF WIGHT AND ASSAWOMAN BAYS												
22.3-07.0 Keyser Pt.	24 June	1320	28.4	NE-2	--	--	--	0 6½	23.3 21.7	27.38 28.22	-- --	Slack
23.2-07.0 St. Martins River Ent.	24 June	1245	28.7	0	--	--	--	0 5	23.9 22.6	26.47 27.30	-- --	Slight Ebb
24.4-05.3 Assawoman Bay	24 June	1230	28.7	W-2	--	--	--	0 7	22.9 22.5	25.03 25.50	-- --	Slack
Seaside 02.2-47.9 (38) (74)	26 June	--	--	--	--	--	--	0	--	29.92	--	(32)

Turbidity: Storage Analysis (See page 82)

Turbidity measurements were made at the time of the original observation and subsequent measurements were made at the times indicated to determine the effect of storage on turbidity. Samples were shaken for about 5 seconds before readings were made unless noted otherwise.

- a stood in cell for 1 hr. 10 min.
- b stood in cell for 50 min.
- c stood in cell for 1 hr. 20 min.
- d stood in cell for 1 hr. 25 min.
- e sediment in bottle before shaking.

Date	Time	Surface sample E -10 cm cell			3' sample E -10 cm cell		
		425m $\mu$	525m $\mu$	650m $\mu$	425m $\mu$	525m $\mu$	650m $\mu$
23 June	1030	.783	.661	.560	.781	.712	.625
23 June	1155	.525a	.414a	.338a	--	--	--
23 June	1210	.770	.643	.536	.857	.750	.631
23 June	1305	--	--	--	.627b	.526b	.423b
23 June	1330	.756	.658	.560	.854	.728	.607
23 June	1425	--	--	--	.607c	.509c	.403c
23 June	1450	.766	.638	.541	.796	.696	.600
23 June	1615	--	--	--	.546d	.447d	.364d
24 June	0555	.736	.631	.539e	.740	.625	.509e
24 June	2030	.740	.620	.525e	.716	.629	.522e
25 June	0720	.690	.570	.512e	.714	.578	.484e
25 June	2005	.700	.604	.510e	.734	.616	.509e
26 June-	0730	.698	.597	.510e	.740	.624	.496e

Date	Time	Surface sample E -10 cm cell			3' sample E -10 cm cell		
		425m $\mu$	525m $\mu$	650m $\mu$	425m $\mu$	525m $\mu$	650m $\mu$
23 June	1200	.732	.625	.530	.726	.615	.531
23 June	1320	.738	.633	.531	.758	.645	.542
23 June	1435	.734	.622	.510e	.744	.634	.541a
24 June	0600	.716	.615	.522e	.730	.607	.510a
24 June	2020	.696	.604	.514e	.760	.609	.496a
25 June	0735	.706	.607	.523e	.728	.604	.501a
25 June	2300	.700	.591	.510e	.712	.634	.539a
26 June	0740	.680	.586	.491e	.706	.595	.494a

## Part II-16 30 June to 14 July 1952

Station (Lat.-Long.)	Date	Wind	Depth (ft)	Water (°C)	Sal (o/oo)
03.5-15.7 (38) (75) Rum Harbor	1 July	NE-5	0 4	21.0 20.9	28.22 28.22
03.5-17.6 White Rock	1 July	NE-5	0 6	23.2 22.6	27.47 27.47
03.9-18.9 Assacorkin Island	1 July	NE-5	0 5	21.9 22.1	25.97 25.97
05.4-19.7 Brockatonorton Bay	1 July	NE-5	0 4	23.6 23.3	25.31 25.31
08.9-17.0 Public Landing	30 June	NE-5	0	24.4	25.13
08.9-17.0	1 July	NE-5	0	23.1	24.99
08.9-17.0	7 July	--	0	26.7	--
08.9-17.0	9 July	SE-4	0	27.8	27.05
08.9-17.0	10 July	W-1	0	27.1	28.22
08.9-17.0	11 July	E-4	0	27.8	28.21
08.9-17.0	12 July	SE-4	0	27.9	28.17
08.9-17.0	14 July	SE-5	0	31.5	28.17
13.6-10.8 Green Pt.	2 July	SE-5	0 6	23.8 23.2	29.00 29.49
19.2-06.4 Beacon "5"	2 July	E-1	0	22.7	29.72
24.4-05.3 Assawoman Bay	2 July	E-4	0 6½	23.8 23.3	25.97 26.65

## Part II-17 15 July to 19 July 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O Def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
CHINCOTEAGUE BAY AND INLETS												
52.6-23.5 (37) (75) Fishing Pt.	19 July	1400	31.1	SW-3	SW	6	0.8	0 10 32	24.9 24.7 24.0	31.00 31.04 30.93	-- -- 4.4	--(1) -- -0.7
53.8-25.4 Chincoteague Pt.	19 July	1330	32.0	SW-3	SW	5	0.4	0 4 14	26.6 26.6 26.6	30.86 30.82 30.52	-- -- 4.6	--(5) -- -0.3
55.1-23.7	19 July	1300	32.9	SW-3	--	--	--	0 4 10 28	28.3 28.3 28.2 28.2	30.86 30.86 30.86 30.86	-- -- -- --	--(7) -- -- --
56.0-24.9 Queen Sound Bridge	19 July	0935	29.4	SW-3	--	0	0	0 4 10 28	25.7 25.7 26.0 26.0	30.75 30.76 30.76 30.81	-- -- -- 3.8	-- -- -- -1.0
56.3-22.4	19 July	1130	32.2	SW-1	--	0	0	0 4 15	28.9 28.6 28.3	30.76 30.76 30.34	-- -- 5.0	--(7) -- -0.2
57.5-22.8	19 July	0905	28.7	SW-3	SW	7	0.5	0 5½	25.9 25.9	30.82 30.82	-- 4.7	-- -0.3
58.5-23.0	18 July	1410	32.5	SE-1	SE	6	0.3	0 5½	30.4 30.0	30.75 30.77	-- --	-- --
59.0-18.3	18 July	1205	30.1	SE-2	SE	6	0.2	0 4½	29.4 29.4	31.73 31.73	-- 4.5	-- -0.2
59.0-24.2 Cockle Pt.	18 July	1500	29.1	SE-2	SE	6	0.2	0 5	31.3 30.6	29.65 29.81	-- --	-- --
59.1-25.6 Swans Gut Creek Ent.	18 July	1445	29.2	SE-2	SE	6	0.5	0 4½	31.2 31.2	29.74 29.58	-- --	--(33) --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
59.7-21.0	18 July	1345	32.7	SE-1	SE	6	0.1	0 6	30.5 30.3	30.90 30.98	-- --	-- --
00.2-22.2 (38) (75) Long Point	18 July	1330	31.6	SE-3	SE	5	0.3	0 4 7	29.4 29.4 29.4	31.73 31.73 31.73	-- -- --	-- -- --
00.4-17.0	18 July	1120	30.7	SE-1	--	0	0	0 5	30.2 29.3	31.87 31.87	-- 4.2	-- -0.4
00.7-18.0	18 July	1140	31.1	SE-1	--	0	0	0 4	29.9 29.3	31.11 31.20	-- 4.6	-- -0.1
01.2-18.9	18 July	1245	31.9	SE-2	SE	6	0.3	0 6½	30.5 29.6	31.40 31.29	-- 4.0	-- -0.2
01.5-20.1	18 July	1300	32.9	SE-3	SE	6	0.5	0 6½	29.4 29.4	31.46 31.35	-- 4.7	-- 0.0
02.0-16.7	18 July	1050	30.3	SE-1	--	0	0	0 6	29.4 28.7	31.53 31.53	-- 4.4	-- -0.3
02.2-21.2 Parker Bay Ent.	18 July	1540	29.3	SE-3	SE	6	0.4	0 3½	31.0 31.0	30.64 30.68	-- 6.0	-- -1.4
02.8-21.2 Parker Bay	18 July	1600	29.1	SE-2	SE	3	0.3	0	31.5	30.39	--	--
03.4-16.1 Striking Marsh	18 July	1030	29.7	S-1	--	0	0	0 6½	29.4 28.7	30.91 31.27	-- 3.7	-- -1.0
03.7-17.7 W. of White Rock	18 July	1745	26.3	SW-3	SW	10	0.8	0 5½	29.4 29.4	31.83 31.85	-- 4.4	-- -0.1
04.0-21.0 Johnson Bay	18 July	1705	24.5	SE-3	SE	7	0.8	0 4	29.7 29.4	29.58 29.49	-- 4.9	34 -- -0.2

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
04.1-18.8 (38) (75)	18 July	1730	25.8	SE-3	SE	7	0.3	0	29.5 29.5	30.44 31.27	-- 6.0	-- -1.3
05.0-13.4	18 July	0955	29.9	E-1	--	0	0	0	29.3 28.6	31.80 31.80	-- 3.5	-- -1.2
05.1-18.2	18 July	1810	26.3	SW-3	--	0	0	0	29.9 29.9	29.47 29.43	-- 4.9	-- -0.2
05.3-16.7	18 July	0925	28.7	0	--	0	0	0	28.8 28.3	29.61 29.49	-- 4.0	-- -0.8
06.2-13.2	15 July	1110	26.1	SW-5	S	8	0.4	0	27.7 27.4	30.08 30.08	-- 4.4	-- -0.4
07.0-17.0	18 July	0855	28.9	0	--	0	0	0	29.3 29.1 28.7	28.21 28.21 28.21	-- -- 3.7	-- -- -1.1
07.5-11.9 (38) (75) Sugar Pt. 07.9-14.7	15 July	1045	26.4	SW-4	SW	7	0.6	0	28.1 27.7	28.87 28.87	-- 4.7	-- -0.2
	15 July	1010	28.9	SW-4	SW	10	0.7	0	27.6 27.6 27.3	26.73 26.73 26.73	-- -- 4.3	-- -- -0.7
08.5-15.6	15 July	0945	28.9	SW-3	SW	10	0.5	0	27.7 27.5 27.3	26.89 26.89 26.89	-- -- 4.7	-- -- -0.2
08.9-17.0 Public Landing	15 July	0925	28.9	SSW-3	S	8	0.2	0	28.0 27.9	27.63 27.74	-- 4.2	-- -0.7

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
08.9-17.0 (38) (75)	16 July	1115	30.4	SW-3	--	--	--	0 3½	28.3 28.4	27.95 27.99	-- --	-- --
09.7-15.6 Right's Pt.	16 July	1050	29.0	SW-4	SW	11	0.8	0 6	28.1 28.1	26.24 26.24	-- --	-- --
10.1-14.2 Beacon "39"	15 July	1215	27.8	S-5	S	2.5	2.0	0 4 7	28.2 27.9 27.8	26.00 26.00 26.22	-- -- 4.9	-- -- 0.0
11.0-12.8 Beacon "35"	15 July	1240	27.4	S-5	S	16	0.8	0 4 6½	28.5 28.3 28.2	27.03 27.03 27.03	-- -- 4.5	-- -- -0.4
11.3-15.2 Kelly Pt.	16 July	1025	28.5	SW-3	SW	15	0.5	0 6	27.8 27.8	25.67 25.67	-- --	-- --
12.1-11.4 Beacon "31"	15 July	1305	26.9	S-5	S	14	1.0	0 4 8½	28.4 28.3 28.1	27.38 27.38 27.38	-- -- 3.7	-- -- -1.2
12.1-11.4	17 July	0625	26.1	SW-3	SW	4	0.3	0 4 7½	27.5 27.5 27.6	27.39 27.54 28.04	-- -- 3.7	-- -- -1.2
12.4-14.7 Hardy Hammock	16 July	1005	28.1	SW-4	SW	8	0.4	0 5	27.7 27.7	25.70 25.68	-- 4.5	-- -0.4
13.0-12.4	15 July	1325	26.8	SW-5	SW	12	0.8	0 4 6½	28.1 27.8 27.8	26.69 -- 26.69	-- -- 4.2	-- -- -0.7
13.7-14.3 Marshall Creek Ent.	16 July	0915	29.6	W-4	W	3	0.2	0 4	27.6 27.6	24.99 25.05	-- 3.9	-- -1.1

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
13.8-12.2 (38) (75) Knott Pt.	15 July	1340	26.7	SW-5	SW	14	1.1	0 6	28.6 28.3	26.44 26.41	-- 4.5	-- -0.4
14.1-15.3 Newark Landing	16 July	0840	30.5	W-4	--	--	--	0 4	27.9 27.8	14.76 14.89	-- 2.0	-- (23) -3.3
14.6-13.0	16 July	0935	29.4	SW-4	SW	6	0.5	0 5	27.3 27.4	24.22 24.36	-- 4.1	-- -0.9
15.2-11.6 Trappe Creek Ent.	15 July	1410	27.3	SW-5	SW	14	0.4	0 4	29.0 28.7	22.68 22.81	-- 3.3	-- -1.7
16.5-10.4 Trappe Creek	15 July	1535	28.8	SW-5	--	--	--	0 4	30.1 29.8	19.14 --	-- 4.4	-- --
17.6-09.7 Ayres Creek Bridge	15 July	1505	29.3	SW-5	--	--	--	0 3	31.4 31.1	11.60 11.69	-- 4.4	-- -0.7
<u>SINEPUXENT BAY</u>												
12.2-09.8 Ferry Channel	17 July	0645	26.0	SW-2	--	--	--	0 4½	26.3 26.3	29.73 29.73	-- 2.2	-- -2.8
13.3-10.4 Beacon "27"	17 July	0710	26.5	SW-3	SW	3	0.1	0 4 8	27.1 27.2 27.2	27.88 27.93 27.93	-- -- 3.9	-- -- -1.0
13.6-10.7 Green Point	17 July	0730	26.6	SW-3	--	--	--	0 6	27.8 27.8	27.14 27.16	-- --	-- --
14.2-09.4 Beacon "21"	17 July	0800	26.8	SW-2	--	--	--	0 4 7½	27.1 27.1 27.1	27.72 27.63 27.68	-- -- 3.4	-- (7) -- -1.6
15.9-08.1 Beacon "21"	17 July	0825	26.5	SW-3	--	--	--	0 4 8	27.6 27.6 27.2	27.12 27.27 27.38	-- -- 3.4	-- (7) -- -1.6



Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
17.0-07.8 Beaton #13 <sup>n</sup> (75)	17 July	0845	26.8	SW-3	--	--	--	0 4 10	27.7 27.7 27.7	27.79 27.74 27.81	-- -- 3.5	(5) -- -1.4
18.0-06.9 Beaton #8 <sup>n</sup>	17 July	0905	27.1	SW-1	--	--	--	0 4 8	27.8 27.8 27.8	27.57 27.54 27.54	-- -- 3.7	(5) -- -1.2
19.6-05.8 So. Ocean City Inlet	17 July	0950	29.2	NW-1	--	0	0	0 4 15½	27.9 27.9 27.6	27.69 27.69 27.69	-- -- 3.3	(5) -- -1.6
ISLE OF WIGHT AND ASSAWOMAN BAYS												
19.7-05.5 Old Bridge	17 July	1715	25.7	S-1	--	0	0	0 8½	20.3 20.3	30.98 30.98	-- --	-- --
20.5-05.2	17 July	1650	25.7	S-1	--	0	0	0 6	20.3 20.3	31.04 31.00	-- --	-- --
21.8-05.3	17 July	1620	26.3	SE-2	--	0	0	0 4½	20.7 20.9	30.91 30.86	-- --	-- --
22.2-07.3	17 July	1550	28.9	SE-3	ENE	3	0.3	0 6	30.7 29.9	27.86 27.86	-- 5.3	-- -0.6
23.4-05.5	17 July	1120	28.6	ESE-3	ESE	6	0.5	0 6½	28.9 27.7	26.44 26.98	-- 3.1	-- -1.8
24.4-05.5	17 July	1140	27.9	ENE-3	ENE	6	0.4	0 6	29.3 28.6	26.38 26.53	-- 4.8	-- -0.1
25.6-04.9	17 July	1205	27.7	ENE-3	ENE	5	0.3	0 5	29.3 28.3	26.17 26.89	-- 3.3	-- -1.6
25.9-06.5 Grey's Creek	17 July	1325	30.3	SE-3	SE	7	0.4	0 5	30.2 30.0	26.00 25.75	-- 5.1	-- -0.3

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
26.7-04.0	17 July	1245	29.3	ENE-2	--	0	0	0 4	29.9 29.7	22.18 22.11	-- --	-- --
26.9-04.8	17 July	1300	29.6	ENE-3	ENE	4	0.2	0 4½	30.4 29.9	24.27 25.23	-- --	-- --
27.2-03.8 Little Assa- woman Bay	17 July	1235	28.6	ENE-3	--	0	0	0 4 12	30.3 30.2 30.2	21.71 21.60 21.92	-- -- --	-- -- -- (38)
<u>ST. MARTIN'S RIVER</u>												
23.1-07.0	17 July	1415	29.6	SE-3	SE	7	0.3	0 4½	30.7 30.3	26.83 26.87	-- 5.4	-- 0.7
24.2-08.5	17 July	1440	31.1	SE-3	SE	7	0.3	0 5	31.4 31.0	24.65 25.17	-- 3.3	-- -1.4
24.5-10.3	17 July	1505	31.5	SE-3	ENE	3	0.2	0 4	32.4 32.0	22.34 22.34	-- 4.7	-- 0.0

Part II-18 23 July to 26 July 1952

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves		Depth (ft)	Water (°C)	Sal (o/oo)	E-10 cm cell			Time	Current	
					Dir	Lgth (ft)	Ht (ft)			m $\mu$ 425	m $\mu$ 525	m $\mu$ 650		Dir (°T)	Vel (kts)
56.9-19.0 (77) (75) Morris Island	26 July	1035	24.0	SE-3	--	--	--	0	32.36	.269	.230	.199	1048	010	.48
								2	--	--	--	--	1045	010	.51
								4	--	--	--	--	1037	020	.57
								6	--	--	--	--	1036	010	.45
								7 $\frac{1}{2}$	32.41	--	--	--	--	--	--
58.8-18.4 Wildcat Pt.	26 July	0935	24.5	SE-1	--	0	0	0	32.38	.263	.231	.192	0948	340	.29
								2	--	--	--	--	0951	340	.30
								4	--	--	--	--	0953	340	.26
								5	32.38	--	--	--	--	--	--
								27.3	--	--	--	--	--	--	--
58.8-18.4	26 July	1135	27.3	SE-2	--	0	0	0	32.45	.377	.306	.251	1147	340	.43
								2	--	--	--	--	1150	340	.50
								4	--	--	--	--	1152	340	.46
								5	32.45	--	--	--	--	--	--
								27.2	--	--	--	--	--	--	--
58.8-18.4	26 July	1235	27.4	SE-2	SE	6	0.1	0	32.43	.398	.349	.299	1250	340	.35
								2	--	--	--	--	1249	340	.46
								4	--	--	--	--	1247	340	.24
								5	32.43	--	--	--	--	--	--
								27.8	--	--	--	--	--	--	--
58.8-18.4	26 July	1425	28.1	SE-3	SE	6	0.2	0	32.43	.385	.308	.258	1429	340	.04
								2	--	--	--	--	1431	--	Slack
								4	--	--	--	--	1435	--	Slack
								4 $\frac{1}{2}$	32.43	--	--	--	--	--	--
								28.3	--	--	--	--	--	--	--
58.8-18.4	26 July	1530	28.3	SSE-3	SSE	8	0.2	0	32.45	.306	.236	.202	1550	150	.08
								2	--	--	--	--	1543	150	.12
								4	--	--	--	--	1540	150	.06
								4 $\frac{1}{2}$	32.52	--	--	--	--	--	--
								28.1	--	--	--	--	--	--	--
58.8-18.4	26 July	1625	27.5	S-3	S	8	0.3	0	32.57	.291	.239	.188	1628	120	.12
								2	--	--	--	--	1632	140	.13
								4	--	--	--	--	1636	140	.08
								4 $\frac{1}{2}$	32.57	--	--	--	--	--	--
								28.7	--	--	--	--	--	--	--

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E -10 cm cell			Time	Current	
					Dir	Lgth (ft)	Ht (ft)				m 425	m 525	m 650		Dir (°T)	Vel (kts)
03.5-17.6 (38) (75) White Rock	25 July	0720	25.0	NNE-5	NE	13	0.5	0	28.6	31.56	--	--	--	0727	210	.20
									--	--	--	--	--	0732	210	.17
									--	--	--	--	--	0736	210	.16
									--	--	--	--	--	0740	210	.16
									28.5	31.56	--	--	--	0740	210	.16
03.5-17.6	25 July	0825	24.7	NE-4	NE	11	0.4	0	28.0	31.53	--	--	--	0855	000	.04
									--	--	--	--	--	0844	010	.06
									--	--	--	--	--	0837	345	.06
									--	--	--	--	--	0832	030	.03
									27.9	31.53	--	--	--	--	--	--
03.5-17.6	25 July	0925	24.7	NE-4	NE	12	0.7	0	28.2	31.65	--	--	--	0932	020	.08
									--	--	--	--	--	0936	020	.16
									--	--	--	--	--	0940	020	.18
									--	--	--	--	--	0943	010	.16
									28.1	31.65	--	--	--	--	--	--
03.5-17.6 White Rock	25 July	1025	25.4	NE-4	NE	10	0.5	0	28.4	31.65	--	--	--	1045	030	.18
									--	--	--	--	--	1040	020	.24
									--	--	--	--	--	1035	030	.22
									--	--	--	--	--	1030	035	.20
									28.2	31.65	--	--	--	--	--	--
03.5-17.6	25 July	1125	25.6	NE-4	NE	14	0.3	0	29.2	31.74	--	--	--	1135	020	.26
									--	--	--	--	--	1139	030	.29
									--	--	--	--	--	1142	035	.30
									--	--	--	--	--	1145	030	.26
									28.6	31.74	--	--	--	--	--	--
03.5-17.6 White Rock	25 July	1225	25.8	NE-4	NE	9	0.2	0	29.0	31.74	--	--	--	1245	020	.20
									--	--	--	--	--	1240	025	.24
									--	--	--	--	--	1237	040	.20
									--	--	--	--	--	1233	040	.18
									28.7	31.74	--	--	--	--	--	--

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (g/100)	E - 10 cm cell			Time	Current	
					Dir	Lgth (ft)	Ht (ft)				mμ 125	mμ 525	mμ 550		Dir (°T)	Vel (kts)
03.5-17.6 (38) (75)	25 July	1325	26.6	ENE-4	ENE	12	0.4	0	29.1	31.74	--	--	--	1235	--	Slack
									--	--	--	--	--	1237	340	.06
								4	--	--	--	--	--	1239	--	Slack
								5	--	--	--	--	--	1241	--	Slack
								6½	28.9	31.74	--	--	--	--	--	--
03.5-17.6	25 July	1425	26.4	ENE-15	ENE	12	0.8	0	29.3	31.74	--	--	--	1445	230	.20
									--	--	--	--	--	1442	210	.18
								4	--	--	--	--	--	1438	210	.16
								5	--	--	--	--	--	1434	215	.16
								6½	29.2	31.85	--	--	--	--	--	--
03.5-17.6 White Rock	25 July	1525	26.3	ENE-5	ENE	12	0.6	0	29.4	31.73	--	--	--	1535	220	.24
									--	--	--	--	--	1541	220	.18
								4	--	--	--	--	--	1544	220	.16
								5	--	--	--	--	--	1548	220	.18
								6½	29.3	31.78	--	--	--	--	--	--
03.5-17.6	25 July	1615	25.9	ENE-5	ENE	10	0.9	0	29.3	31.73	--	--	--	1632	245	.24
									--	--	--	--	--	1628	230	.22
								4	--	--	--	--	--	1625	220	.18
								5	--	--	--	--	--	1623	220	.26
								6½	29.1	31.73	--	--	--	--	--	--
03.5-17.6	25 July	1705	25.6	ENE-5	ENE	10	1.0	0	29.1	31.73	--	--	--	1710	245	.27
									--	--	--	--	--	1712	215	.24
								4	--	--	--	--	--	1714	205	.24
								5	--	--	--	--	--	1716	195	.26
								6½	28.9	31.73	--	--	--	--	--	--
07.9-13.7	23 July	1005	33.0	SW-2	SW	6	0.3	0	31.6	28.42	--	--	--	1010	010	.25
									--	--	--	--	--	1013	030	.23
								4	--	--	--	--	--	1017	010	.14
								6	--	--	--	--	--	1023	010	.12
								7	--	--	--	--	--	1027	010	.11
								8	30.9	28.48	--	--	--	--	--	--

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E -10 cm cell				Time	Current	
					Dir	Lgth (ft)	Ht (ft)				m 425	m 525	m 650	Dir (°T)		Vel (kts)	
08.5-15.6 (38) (75) So. of Robbins Marsh	23 July	0912	33.1	SW-1	SW	6	0.1	0	31.3	27.72	--	--	--	0938	045	.16	
								2	--	--	--	--	--	0933	015	.14	
								4	--	--	--	--	--	0928	045	.09	
								6	--	--	--	--	--	0923	045	.09	
								7	30.8	27.72	--	--	--	--	--	--	
08.5-15.6	23 July	1105	33.2	SW-2	SW	8	0.4	0	31.6	27.81	--	--	--	1121	045	.18	
								2	--	--	--	--	--	1117	045	.14	
								4	--	--	--	--	--	1113	045	.10	
								6	--	--	--	--	--	1109	010	.06	
								7	31.2	27.81	--	--	--	--	--	--	
08.5-15.6	23 July	1230	33.2	SSE-3	SSE	12	0.8	0	31.8	27.94	--	--	--	1240	045	.15	
								2	--	--	--	--	--	1243	045	.09	
								4	--	--	--	--	--	1247	000	.09	
								6	--	--	--	--	--	1250	000	.03	
								7	31.6	27.94	--	--	--	--	--	--	
08.5-15.6 So. of Robbins Marsh	23 July	1330	33.2	SSE-4	SSE	15	1.0	0	32.0	27.86	--	--	--	1344	--	Slack	
								2	--	--	--	--	--	1342	--	Slack	
								4	--	--	--	--	--	1340	--	Slack	
								6	--	--	--	--	--	1338	--	Slack	
								7	31.7	27.86	--	--	--	--	--	--	
08.5-15.6	23 July	1515	32.7	SE-4	SE	20	1.2	0	32.2	27.90	--	--	--	1535	300	.03	
								2	--	--	--	--	--	1532	--	Slack	
								4	32.1	27.90	--	--	--	1527	240	.04	
								6	--	--	--	--	--	1522	240	.03	
								7	32.1	27.90	--	--	--	--	--	--	
08.5-15.6	23 July	1620	33.1	SSW-4	SSW	15	0.8	0	32.2	27.86	--	--	--	1630	270	.03	
								2	--	--	--	--	--	1635	210	.06	
								4	--	--	--	--	--	1645	210	.04	
								6	--	--	--	--	--	1640	240	.04	
								7	32.1	27.86	--	--	--	--	--	--	

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (‰)	Time	E-10 cm cell			Current	
					Dir	Lgth (ft)	Ht (ft)					mμ 425	mμ 525	mμ 650	Dir (°T)	Vel (kts)
08.5-15.6 (75)	23 July	1725	33.2	S-3	S	10	0.3	0	32.2	27.83	1750	--	--	--	230	.08
								2	--	--	1745	--	--	--	240	.10
								4	--	--	1740	--	--	--	210	.10
								6	--	--	--	--	--	--	--	Slack
								7	32.1	27.83	--	--	--	--	--	--
08.9-17.0 Public Landing	23 July	1810	32.8	0	--	0	0	0	33.2	28.30	--	--	--	--	--	--
								4	33.1	28.39	--	--	--	--	--	--
08.9-17.0 (38) ('75) Public Landing	26 July	1750	26.7	S-3	S	12	1.0	0	29.2	28.22	--	--	--	--	--	--
								4½	29.1	28.22	--	--	--	--	--	--
12.1-11.4 Beacon #31"	24 July	0715	28.2	NW-5	NW	10	0.5	0	30.2	28.62	0748	.298	.249	.195	205	.25
								2	--	--	0755	--	--	--	215	.27
								4	29.9	28.55	0802	.326	.288	.242	225	.31
								6	--	--	0805	--	--	--	225	.28
								7	30.2	28.55	0808	--	--	--	--	--
12.1-11.4	24 July	0815	28.4	NNW-5	NW	11	0.5	0	30.5	28.66	0850	.296	.256	.211	215	.43
								2	--	--	0843	--	--	--	225	.37
								4	30.3	28.66	0838	--	--	--	215	.36
								6	--	--	0835	--	--	--	205	.46
								7	--	--	0833	--	--	--	225	.39
12.1-11.4	24 July	0915	28.8	N-5	N	12	0.5	0	30.4	28.80	0947	.302	.240	.202	210	.38
								2	--	--	0942	--	--	--	215	.38
								4	30.2	28.80	0938	--	--	--	225	.48
								6	--	--	0935	--	--	--	215	.35
								7	--	--	0932	--	--	--	205	.37
12.1-11.4 Beacon #31"	24 July	1015	29.1	N-5	N	10	0.4	0	30.9	28.84	1030	.314	.272	.233	215	.39
								2	--	--	1035	--	--	--	225	.44
								4	30.2	28.84	1040	--	--	--	205	.45
								6	--	--	1045	--	--	--	205	.31
								7	--	--	1050	--	--	--	205	.21
								8½	30.2	28.84	--	--	--	--	--	--

Station (Lat., Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves		Depth (ft)	Water (°C)	Sal (o/oo)	E - 10 cm cell		Time	Current	
					Dir	Lgth (ft)				m 425	m 525		Dir (or)	Vel (kts)
12.1-11.4 (38) (75)	24 July	1115	29.3	NNW-5	NNW	12	0.4	30.7	29.00	.291	.233	1125	195	.22
								--	--	--	--	1128	200	.12
								30.2	29.00	--	--	1132	165	.09
								--	--	--	--	1136	195	.12
								30.2	29.00	--	--	1140	200	.14
12.1-11.4	24 July	1215	29.4	NNW-5	NNW	12	0.6	30.1	29.00	.270	.229	1232	140	.06
								--	--	--	--	1237	115	.09
								30.4	29.00	--	--	1243	095	.08
								--	--	--	--	1249	055	.06
								30.4	--	--	--	1253	045	.06
12.1-11.4 Beacon "31"	24 July	1315	29.4	NNW-5	NNW	12	0.4	30.9	28.82	.272	.224	1328	065	.11
								--	--	--	--	1333	065	.17
								30.6	28.82	--	--	1338	055	.17
								--	--	--	--	1341	045	.14
								30.6	28.82	--	--	1345	045	.12
12.1-11.4	24 July	1410	29.1	NNW-5	NNW	12	0.4	31.1	28.62	.297	.260	1443	075	.11
								--	--	--	--	1437	065	.14
								30.7	28.62	.325	.260	1432	045	.13
								--	--	--	--	1427	045	.20
								30.7	28.71	--	--	1423	045	.11
12.1-11.4	24 July	1505	28.7	NNW-5	NNW	12	0.6	31.2	28.48	.275	.218	--	--	Slack
								--	--	--	--	1520	045	.06
								30.7	28.48	.382	.333	1527	045	.08
								--	--	--	--	1533	045	.06
								30.7	28.48	--	--	1538	045	.06



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water* (°C)	Sal (o/oo)	E -10 cm cell				Time	Current	
					Dir	Lgth (ft)	Ht (ft)				m /A 425	m /A 525	m /A 650	Dir (°T)		Vel (kts)	
12.1-11.4 (38) (75)	24 July	1605	28.7	NNW-5	---	12	0.6	0	31.3	28.68	.293	.231	.187	1615	075	.14	
								2	---	---	---	---	---	1620	060	.16	
								4	30.8	28.68	.344	.264	.226	1630	045	.22	
								6	---	---	---	---	---	1637	025	.10	
								7	---	---	---	---	---	1605	---	Slack	
								8½	31.4	28.68	---	---	---	---	---	---	
12.1-11.4	24 July	1700	28.5	NNW-5	NNW	12	0.6	0	31.4	28.69	.346	.281	.220	1701	045	.15	
								2	---	---	---	---	---	1704	045	.16	
								4	30.9	28.78	.326	.293	.255	1706	055	.15	
								6	---	---	---	---	---	1709	045	.15	
								7	---	---	---	---	---	1712	350	.04	
								8½	30.8	28.78	---	---	---	---	---	---	

## Part II-19 28 July to 29 August 1952

Station (Lat.-Long.)	Date	Wind	Water (°C)	Sal (o/oo)
08.9-17.0 (38) (75) Public Landing	28 July	NE-4	32.2	28.75
08.9-17.0	29 July	NE-4	30.1	29.34
08.9-17.0	30 July	SE-4	31.1	29.34
08.9-17.0	31 July	S-4	30.6	29.56
08.9-17.0	1 Aug	NE-1	29.4	29.47
08.9-17.0	4 Aug	S-5	29.3	28.91
08.9-17.0	7 Aug	O	27.9	29.07
08.9-17.0	8 Aug	O	27.0	27.94
08.9-17.0	10 Aug	SE-5	27.9	28.30
08.9-17.0	11 Aug	E-1	30.8	29.13
08.9-17.0	12 Aug	SE-1	30.9	29.14
08.9-17.0	14 Aug	NW-1	26.6	29.05
08.9-17.0	15 Aug	E-1	27.4	29.36
08.9-17.0	16 Aug	E-5	28.5	30.26
08.9-17.0	17 Aug	NW-4	28.8	30.62
08.9-17.0	19 Aug	NE-4	28.2	30.68
08.9-17.0	20 Aug	NE-4	25.2	30.10
08.9-17.0	21 Aug	SE-1	25.6	29.79
08.9-17.0	22 Aug	NW-4	26.5	30.62
08.9-17.0	25 Aug	NE-4	26.2	31.02
08.9-17.0	26 Aug	NE-1	27.7	31.53
08.9-17.0	27 Aug	NE-4	24.7	31.35
08.9-17.0	28 Aug	E-4	23.9	30.61
08.9-17.0	29 Aug	O	25.1	31.09
08.9-17.0	29 Aug	SE-1	27.2	31.67

## Part II-20 2 September to 13 September 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
CHINCOTEAGUE BAY AND INLETS												
52.6-23.5 (37) (75) Fishing Pt.	10 Sept	1245	21.0	N-4	--	--	--	0 4 10 33	21.4 21.3 21.2 21.1	30.68 30.77 30.81 31.20	-- -- -- 4.9	-- -- -- -0.5
53.7-23.0 Assateague Pt.	10 Sept	1405	21.3	NE-4	--	--	--	0 6	21.9 21.7	31.33 31.33	-- --	-- --
53.8-25.4 Chincoteague Pt.	10 Sept	1225	21.6	N-4	--	--	--	0 4 15	21.6 21.6 21.6	30.82 30.82 30.82	-- -- 4.9	-- -- -0.4
54.6-22.9 Chincoteague Yacht Club	10 Sept	1415	22.2	NE-4	--	--	--	0 21	22.1 21.8	31.13 31.36	-- --	-- --
55.0-23.7 Chincoteague Channel Beacon "11"	10 Sept	0840	20.1	N-4	--	--	--	0 4 10 20	19.8 19.8 19.8 19.8	32.59 32.59 33.08 33.15	-- -- -- 4.0	--(7) -- -- -1.4
56.0-24.9 Queen Sound Bridge	10 Sept	0900	20.3	N-4	--	--	--	0 4 10 23	20.1 20.0 20.0 19.9	32.05 32.05 32.05 32.21	-- -- -- 4.9	--(7) -- -- -0.6
56.3-22.4 Chincoteague Channel	10 Sept	1100	20.4	N-4	--	--	--	0 4 16	20.3 20.2 20.1	33.03 33.03 33.03	-- -- 4.9	-- -- -0.6
57.5-23.8	10 Sept	0925	19.1	N-4	N	11	0.7	0 5½	20.3 20.3	31.73 31.73	-- 4.5	-- -1.0

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (°/°)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
58.5-23.0 Red Beacon "4" (37) (75)	10 Sept	1030	24.4	N-3	N	10	0.7	0 6½	20.6 20.5	31.71 31.62	-- 4.9	-- -0.5
58.8-18.4 Wildcat Pt.	11 Sept	0905	23.2	NNE-2	NNE	2	0.1	0 5½	21.4 21.6	33.37 33.37	-- --	-- --
59.0-24.2 Cockle Pt.	10 Sept	0950	20.4	N-4	N	11	0.7	0 5	20.4 20.0	31.85 31.85	-- 4.9	-- -0.6
59.1-25.6 Swang Cut Gr. Ent.	10 Sept	0940	20.4	N-4	--	--	--	0 4	20.4 20.3	31.49 31.49	-- 4.4	-- -1.0
59.7-21.0	10 Sept	1030	20.0	N-3	N	11	0.9	0 6½	20.5 20.4	31.62 31.62	-- 4.7	-- -0.8
00.2-22.2 (38) (75) Long Pt.	10 Sept	1005	19.8	N-4	N	11	0.9	0 4 7	20.4 20.4 20.3	32.23 32.23 32.23	-- -- 4.9	-- -- -0.5
00.4-14.0 Ragged Pt. Marshes	11 Sept	0835	22.0	NNE-2	NNE	4	0.1	0 4½	21.3 21.3	31.83 31.83	-- 5.2	-- -0.2
00.7-18.0	11 Sept	0850	23.6	NNE-2	NNE	2	0.1	0 4½	21.1 21.2	33.06 33.06	-- --	-- --
01.2-18.9	11 Sept	0925	26.3	NNE-2	NNE	8	0.2	0 6½	21.4 21.6	32.88 32.88	-- 4.3	-- -1.0
01.5-20.1	11 Sept	0935	25.3	NNE-2	NNE	8	0.2	0 6½	21.2 21.2	32.41 32.41	-- --	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
02.0-14.9	12 Sept	1045	--	0	--	--	--	0	27.3	34.35	--	--
02.0-16.7 Cedar Islands	11 Sept	0820	21.4	NNE-2	NNE	0	0.3	0 6½	21.1 21.1	32.18 32.28	-- 4.9	-- -0.4
02.0-21.1 Parker Bay Ent.	11 Sept	0950	25.9	NNE-2	NNE	6	0.2	0 3½	21.2 21.7	32.52 32.52	-- 4.4	-- -0.9
02.8-21.2 Parker Bay	11 Sept	1120	27.5	NNE-2	NNE	2	0.1	0 2½	22.1 23.5	32.07 32.07	-- 5.4	-- -0.7
03.4-13.4 Green Run Inlet	12 Sept	--	--	0	--	--	--	0	25.2	31.83	--	--
03.5-15.7 Rum Harbor	2 Sept	--	--	--	--	--	--	--	--	32.70	--	--
03.5-15.7	11 Sept	0750	21.2	NNE-2	NNE	4	0.1	0 5	21.0 21.1	32.27 32.27	-- 4.9	-- -0.1
03.5-17.6 White Rock	11 Sept	0805	21.3	NNE-2	NNE	6	0.3	0 5	21.1 21.1	32.36 32.36	-- 4.7	-- -0.7
04.0-21.0 Johnson Bay	11 Sept	1140	27.5	NE-1	* --	--	--	0 4½	22.7 22.5	32.39 32.39	-- --	-- --
04.2-18.8 Off Assacorkin Is. (Johnson Bay Ent.)	11 Sept	1205	26.0	NE-1	* --	--	--	0 4	23.2 22.8	31.92 32.27	-- 5.0	-- -0.2

\* Ripples

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
05.0-13.4 Green Run Bay (38) (75)	11 Sept	0730	21.6	NNE-2	NNE	3	0.1	0 5	20.9 20.9	31.53 31.53	-- 4.8	-- -0.7
04.3-13.2	12 Sept	--	--	0	--	--	--	0	26.2	33.04	--	--
05.1-18.2 Martin Bay	11 Sept	1225	25.9	NE-1	NE	3	0.1	0 3½	23.7 23.7	31.69 31.69	-- 4.8	-- -0.3
05.2-16.6 Black Beacon	11 Sept	1250	23.4	NE-4	NE	4	0.2	0 6½	23.2 23.1	31.89 32.00	-- 5.0	-- -0.2
05.4-19.7 Brockato- norton Bay	11 Sept	1205	26.0	NE-1	*--	--	--	0 4	23.2 22.8	31.92 32.27	-- 5.0	-- -0.2
06.2-12.0 Green Run Lodge Landing	12 Sept	1135	--	SW-2	--	0	0	0	26.3	33.55	--	--
06.2-13.2 Green Run Lodge Chamel Ent.	11 Sept	-715	19.9	N-2	N	4	0.1	0 4	20.5 20.5	31.36 31.36	-- 5.9	-- -0.5
06.5-17.2 Off Blue Pond	11 Sept	1300	21.9	NE-1	NE	4	0.1	0 4 7	23.2 22.8 21.9	32.00 32.16 31.91	-- -- --	-- -- --
07.5-11.9	11 Sept	0700	19.4	N-2	N	5	0.1	0 4½	20.4 20.4	31.15 31.24	-- 4.9	-- -0.6
07.9-13.8	11 Sept	0645	19.2	N-2	N	6	0.2	0 4 7	21.0 20.9 20.9	32.12 32.20 32.12	-- -- 4.8	-- -- -0.6

\* Ripples

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
08.6-11.0 Winter Quarter	12 Sept	1200	--	SW-2	--	--	--	0	25.7	33.04	--	--
08.9-14.9	11 Sept	0630	17.3	N-2	N	6	0.1	0 6	20.8 20.6	31.51 31.51	-- 4.9	-- -0.5
08.9-17.0 Public Landing	2 Sept	1000	--	SE-4	--	--	--	0	27.2	31.67	--	--
08.9-17.0	3 Sept	0600	26.2	S-2	S	8	0.3	0 3½	26.9 26.9	32.05 32.05	-- --	-- --
08.9-17.0	8 Sept	1015	20.0	NE-5	--	--	--	0	20.6	31.46	--	--
08.9-17.0	9 Sept	1515	22.8	NE-5	--	--	--	0	22.8	31.00	--	--
08.9-17.0	11 Sept	1315	23.9	NE-1	NE	2	0.1	0 3½	23.9 23.9	31.00 31.00	-- --	-- --
08.9-17.0	13 Sept	0645	21.1	0	0	0	0	0 4½	23.4 23.8	31.35 31.26	-- --	-- --
09.7-15.6 Rick's Pt.	11 Sept	1535	24.1	NE-1	NE	2	0.1	0 6½	23.9 22.7	32.36 32.09	-- --	-- --
10.1-14.2 Beacon "39"	3 Sept	0630	26.2	NW-5	NW	15	1.5	0 7	26.7 26.7	29.56 29.56	-- --	-- --
11.0-12.9 Beacon "35"	4 Sept	0635	18.4	NW-4	NW	19	0.6	0 6	23.2 22.3	30.88 30.88	-- 4.6	-- -0.7

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def <sup>r</sup> (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
11.3-15.2 Kelly Pt. (38) (75)	3 Sept	1430	25.6	NW-4	NW	8	0.3	0 6½	26.9 26.2	29.81 29.81	-- 4.9	-- -0.1
12.1-11.4 Beacon "31"	4 Sept	0700	18.0	NNW-4	NNW	8	0.3	0 4 8	23.9 23.5 23.3	31.17 31.17 31.17	-- -- 4.2	-- -- -1.0
12.1-11.4 Beacon "31"	11 Sept	1510	24.0	NE-1	NE	2	0.1	0 4 7	22.7 23.1 22.9	30.46 30.46 30.46	-- -- --	-- -- --
12.4-14.7 Handy Hammock	3 Sept	1825	21.7	NW-2	NW	1.5	0.1	0 5½	26.6 26.3	29.67 29.67	-- --	-- --
13.0-12.4	11 Sept	1435	24.5	NE-1	*--	--	--	0 6½	23.3 21.7	29.94 30.19	-- --	-- --
13.7-14.3 Marshall Cr. Ent.	3 Sept	1810	22.1	NW-2	NW	1.5	0.1	0 3½	26.7 26.7	27.27 28.15	-- 5.7	-- +0.3
13.8-12.2 Knott Pt.	11 Sept	1430	24.9	NE-1	*--	--	--	0 5½	23.5 22.8	29.78 30.01	-- --	-- --
14.2-15.3 Newark Landing	3 Sept	1150	22.4	0	--	0	0	0 2½	28.1 28.0	21.94 21.94	-- --	-- --
14.6-13.0	3 Sept	1730	23.5	NW-3	NW	2	0.1	0 4½	26.9 26.6	27.07 27.34	-- 4.1	-- -0.9
15.2-11.6 Trappe Cr. Ent.	3 Sept	1705	24.4	NW-3	NW	2	0.1	0 4	27.0 26.7	25.32 25.05	-- 5.3	-- +0.2
16.5-10.4 Trappe Cr.	3 Sept	1635	25.4	NW-4	--	0	0	0 3	27.3 27.1	18.31 19.11	-- --	-- (24) --

\* Ripples



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (‰)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def. (mL/L)
					Dir	Lgth (ft)	Ht (ft)					
17.5-09.8 200 Yd. Ayres Cr. Bridge (38) (75)	3 Sept	1535	26.2	NW-4	--	0	0	0 2	28.4 28.4	17.39 17.39	-- --	--(24) --
17.8-10.9 Trappe Cr.	3 Sept	1615	25.5	NW-4	--	0	0	0 2½	27.9 27.8	11.06 11.44	-- --	--(24) --
11.8-09.9 E. Ferry Terminal	12 Sept	1415	--	SW-3	--	0	0	0	27.7	32.32	--	--
12.2-09.8 Ferry Channel	4 Sept	0715	17.7	NNW-4	NNW	2	0.1	0 5	19.7 19.7	32.94 32.94	-- 3.8	-- -1.8
13.3-10.4 Beacon "27"	4 Sept	0735	18.2	NNW-4	NNW	5	0.3	0 4 8	24.2 23.9 23.6	31.22 31.22 31.22	-- -- 4.1	-- -- -1.0
13.6-10.7 Green Pt.	4 Sept	0750	18.5	NNW-4	NNW	1.5	0.1	0 6	24.4 24.0	30.90 30.90	-- 4.6	-- -0.5
13.6-10.7	11 Sept	1455	24.7	NE-3	NE	2	0.1	0 6	22.9 23.3	30.72 30.68	-- --	-- --
14.2-09.4 Beacon "21"	4 Sept	0810	19.3	NNW-2	--	0	0	0 4 8	23.9 23.7 23.4	31.38 31.38 31.38	-- -- 4.1	-- -- -1.1
15.9-08.4 Beacon "15"	4 Sept	0835	19.6	NNW-2	--	--	--	0 4 8	23.1 23.1 23.1	30.79 30.79 30.79	-- -- 4.1	-- -- -1.1
17.0-07.9 Beacon "13"	4 Sept	0900	19.9	NNW-3	NNW	3	0.2	0 4 9	23.3 23.3 23.1	30.59 30.59 30.59	-- -- 4.7	-- -- -0.5

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
17.3-06.8 (38) (75) Beach Assateague Island	12 Sept	1330	--	SW-6	--	--	--	0	27.8	31.17	--	--
18.0-06.9 Beacon #8	4 Sept	0920	20.1	NNW-4	NNW	7	0.4	0 4 9½	22.9 22.8 22.6	30.82 30.82 30.87	-- -- 4.6	-- -- -0.6
19.6-05.8 So. Ocean City Inlet	4 Sept	0945	20.3	NW-4	--	--	--	0 4 11	22.8 22.8 22.8	30.75 30.75 30.75	-- -- 4.7	-- -- -0.5
ISLE OF WIGHT AND ASSAWOMAN BAYS												
19.7-05.5 N. Ocean City Inlet	4 Sept	1500	23.0	NE-4	--	--	--	0 10	24.0 23.9	30.35 30.35	-- 5.4	-- +0.2
20.5-05.2 I.W. Beacon #4	4 Sept	1445	22.9	NE-4	--	--	--	0 8	24.0 23.8	30.16 30.16	-- 4.8	-- -0.4
21.8-05.3 I.W. Beacon #5	4 Sept	1440	24.3	NE-4	--	--	--	0 5½	23.9 23.4	30.01 30.01	-- 5.4	-- +0.2
22.2-07.3 Keyser Pt.	4 Sept	1425	23.6	NE-4	NE	10	0.8	0 6	25.2 24.7	28.68 28.93	-- --	-- --
23.4-05.5	4 Sept	1100	20.7	N-4	N	8	0.8	0 6½	24.3 23.8	29.72 29.72	-- 4.9	-- -0.2
24.4-05.3	4 Sept	1130	21.1	N-4	N	8	0.8	0 7	24.5 23.9	29.38 29.49	-- --	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (ml/L)	O <sub>2</sub> Def <sup>r</sup> (ml/L)
					Dir	Lgth (ft)	Ht (ft)					
25.6-04.9 (38) (75) Horse Island	4 Sept	1150	21.4	N-4	N	8	0.4	0 7	24.5 24.5	28.93 28.59	-- --	-- --
25.9-06.5	4 Sept	1245	22.4	NNE-4	NNE	3	0.3	0 5½	24.7 24.6	28.26 28.39	-- --	-- --
26.7-04.0 Ent Fenwick Island Channel	4 Sept	1225	23.1	NNE-4	--	--	--	0 7	24.8 24.4	28.19 28.19	-- --	-- --
26.9-04.8	4 Sept	1230	22.9	NNE-4	N	2	0.2	0 5	24.7 24.6	28.21 28.21	-- --	-- --
27.2-03.8 Env. to Little Assawoman Bay	4 Sept	1210	22.5	N-4	N	4	0.2	0 4 15½	23.9 23.9 24.1	26.78 27.20 27.72	-- -- --	-- -- --
ST. MARTINS RIVER												
23.1-07.0	4 Sept	1320	23.5	NNE-4	NNE	3	0.2	0 7	25.1 24.6	28.53 28.53	-- 4.8	-- -0.3
24.2-08.5	4 Sept	1335	22.3	NE-4	NE	3	0.2	0 6	25.1 24.6	26.11 26.33	-- 2.7	-- -2.5
25.5-10.3	4 Sept	1450	22.4	NE-4	NE	4	0.1	0 4½	26.1 25.4	23.26 23.51	-- 5.5	-- +0.3
01.6-14.4 Surf Va.-Md. Line	12 Sept	1035	--	0	0	--	--	--	23.3	30.48	--	--
04.7-11.2 Surf "93 St."	12 Sept	--	--	0	0	--	--	--	22.6	30.44	--	--
07.1-10.8 Surf "57th St."	12 Sept	--	--	0	0	--	--	--	22.8	30.39	--	--
09.2-05.3 Surf "30th St."	12 Sept	1215	--	SW-2	0	--	--	--	23.3	30.37	--	--

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	O <sub>2</sub> (mL/L)	O <sub>2</sub> Def. (mL/l.)
					Dir	Lgth (ft)	Ht (ft)					
11.8-09.1 Surf No. Beach C.G. Station (38) (75)	12 Sept	1240	--	SW-2	--	--	--	0	22.8	30.39	--	--
14.3-08.0 Surf	12 Sept	1300	--	SW-2	--	--	--	0	23.0	30.37	--	--
17.3-06.6 Surf	12 Sept	1325	--	SW-2	--	--	--	0	23.0	30.39	--	--
19.3-04.8 Buoy #2H Ocean City Inlet	13 Sept	--	--	0	--	--	--	0	23.6	30.17	--	--
<u>ASSATEAGUE ISLAND</u>												
04.8-12.4 Pond #93rd St.	13 Sept	--	--	--	--	--	--	11	--	0.17	--	--(19)
09.1-10.7 Pond #36th St.	13 Sept	1210	--	SW-2	--	--	--	0	--	4.18	--	--(20)
15.7-07.9 Pond	13 Sept	--	--	SW-3	--	--	--	0	--	18.50	--	--(21)

## Part II-21 23 September to 17 October 1952

Station (Lat.-Long.)	Date	Depth (ft)	Water (°C)	Sal (o/oo)
03.5-15.7 Run (38) (75) Harbor	23 Sept	0	19.3	31.62
03.5-15.7	6 Oct	0	18.3	31.98
		6	18.2	32.05
03.5-17.6 White Rock	6 Oct	0	18.5	31.51
		6	18.4	31.62
05.9-18.9 Rattlesnake Landing	6 Oct	0	20.3	31.26
08.9-14.9 Robbins Marsh	23 Sept	0	20.7	31.20
		6	20.3	31.26
08.9-14.9	29 Sept	0	19.5	31.71
		6	19.4	31.71
08.9-14.9	3 Oct	0	19.7	31.44
		6	19.9	31.44
08.9-17.0 Public Landing	17 Oct	0	--	30.91
08.9-17.0 Public Landing	25 Sept	0	21.1	31.36
08.9-17.0	1 Oct	0	22.8	31.67
08.9-17.0	6 Oct	0	20.0	31.55
		4	19.8	31.62

Station (Lat.-Long.)	Date	Depth (ft)	Water (°C)	Sal (o/oo)
08.9-17.0	10 Oct	0	14.4	31.11
08.9-17.0 Public Landing	17 Oct	0	--	30.91
10.1-14.2 Beacon "39"	14 Nov	0	17.3	30.95
		7	16.7	30.95
12.1-11.4 Beacon "31"	29 Oct	0	19.7	31.71
		7½	19.2	31.71
12.1-11.4	14 Nov	0	17.2	30.72
		7	16.9	30.72
13.6-10.7 Green Point	14 Nov	0	17.4	30.53
		6	17.0	30.46
14.6-07.9 Beacon "19"	29 Oct	0	20.0	30.88
		7½	19.8	30.88
14.6-07.9	14 Nov	0	17.6	30.59
		7½	17.8	30.59
15.9-08.4 Beacon "15"	14 Nov	0	17.7	30.30
		8	17.8	30.48
19.2-08.4 Beacon "5"	29 Oct	0	20.3	30.77
		17	20.4	30.64
19.2-06.4	14 Nov	0	18.5	30.30
		17	18.0	30.39
19.7-05.5 Ocean City Inlet	29 Oct	0	20.5	30.50
		20	20.5	30.50

Section (Lat. = Long.)	Date	Depth (ft.)	Water (°C)	Sal (o/oo)
19.7-05.5 (38) (75)	14 Nov	0 20	17.4 17.6	30.39 30.39
20.5-05.2 Isle of Wight "14"	29 Oct	0 6½	20.6 20.6	30.48 30.48
22.2-07.3 Keyser Pt.	29 Oct	0 6	20.7 20.9	29.38 28.70
22.2-07.3	14 Nov	0 6	17.8 16.7	29.05 29.43
23.2-06.9 No. side St. Martins River Ent.	29 Oct	0 4	21.0 20.7	28.68 28.86
23.2-06.9	14 Nov	0 4	17.8 16.7	29.05 29.42

## Part II-22 18 October to 19 October 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves		Depth (ft)	Water (°C)	Sal (‰)
					Dir	Waves Lgth (ft)	Ht (ft)		
CHINCOTEAGUE BAY AND INLETS									
53.7-23.0 (37) (75) Assateague Pt.	19 Oct	1550	18.8	SW-4	SW	5	0.2	0 11	30.16 30.16
53.8-25.4 Chincoteague Pt.	19 Oct	1530	17.0	SW-4	SW	6	0.7	0 12	30.46 (7) 30.46
54.6-22.9 Off Chincoteague Yacht Club	19 Oct	1605	17.9	SW-4	SW	3	0.1	0 16	29.76 29.76
55.0-23.7 Chincoteague Channel Beacon "11"	19 Oct	1425	18.2	SW-4	SW	8	0.6	0 24	30.37 (7) 30.37
56.0-24.9 Queen Sound Bridge	19 Oct	1350	16.6	SW-4	SW	2	0.1	0 24	30.37 (17) 30.37
56.3-22.4 Chincoteague Channel Beacon "1"	19 Oct	1500	19.8	SW-4	0	0	0	0 14	30.80 (7) 30.84
57.5-23.8	19 Oct	1325	16.4	SW-4	SW	6	0.4	0 4½	30.37 30.37
58.5-23.0 Beacon "4"	19 Oct	1240	15.8	SW-4	SW	10	0.8	0 6½	30.73 30.73
58.8-18.4 Wildcat Pt.	19 Oct	1000	14.6	NW-3	NW	6	0.3	0 6	28.86 28.86
59.0-24.2 Cockle Pt.	19 Oct	1255	16.0	SW-4	SW	10	0.6	0 5	30.55 30.55
59.1-25.0 Swans Ck., Gr. Emb.	19 Oct	1310	16.0	SW-4	SW	6	0.2	0 4	29.96 29.96

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)
					Dir	Lgth (ft)	Ht (ft)			
59.7-21.0 (37) (75)	19 Oct	1220	15.8	SW-3	SW	8	0.4	0 6½	15.9 15.8	31.36 31.36
20.2-22.2 (38) (75) Long Pt.	19 Oct	1150	16.2	SW-3	SW	8	0.4	0 7	15.6 15.6	30.64 30.64
00.4-14.0 Ragged Pt. Marshes	19 Oct	0945	14.7	NW-3	NW	12	0.3	0 6	15.1 15.1	30.72 30.72
00.7-18.0	19 Oct	1020	14.4	NW-3	NW	8	0.6	0 5½	15.4 15.4	30.37 30.37
01.2-18.9 Md.-Va. Line	19 Oct	1035	16.2	NW-3	NW	8	0.4	0 7	15.4 15.3	31.78 31.78
01.5-20.1	19 Oct	1050	15.7	NW-3	NW	6	0.2	0 7	15.7 15.6	31.60 31.60
02.0-16.7 Cedar Island	19 Oct	0910	12.9	NW-4	NW	15	0.8	0 6½	15.0 15.0	30.93 30.97
02.0-21.2	19 Oct	1100	16.9	SW-3	SW	3	0.1	0 4½	15.5 15.5	30.72 30.81
02.8-21.2	19 Oct	1110	18.9	SW-3	SW	2	0.1	0	15.6	30.93 <sup>(16)</sup>
03.5-15.7 Rum Harbor	19 Oct	0855	13.3	NW-4	NW	12	0.8	0 4	14.9 14.9	30.84 30.84
03.5-17.6 White Rock	19 Oct	0840	12.9	NW-4	NW	15	0.8	0 6½	15.3 15.3	31.24 31.24



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)
					Dir	Lgth (ft)	Ht (ft)			
04.0-21.0 (38) (75) Johnson Bay	19 Oct	0810	12.6	NW-4	NW	6	0.3	0 5	14.9 14.9	30.79 30.79
04.2-18.8 Johnson Bay Entrance	19 Oct	0825	12.7	NW-4	NW	10	0.7	0 5	15.1 14.9	31.26 31.26
05.1-18.2 Martin Bay	19 Oct	0740	11.7	NW-3	NW	5	0.2	0 3½	14.6 14.6	31.24 31.24
05.2-16.6 Black Beacon	19 Oct	0720	10.9	NW-3	NW	6	0.2	0 6	15.4 15.1	31.35 31.35
05.4-19.7 Brockton norton Bay	19 Oct	0755	12.3	NW-4	NW	4	0.2	0 4	14.6 14.7	30.91 30.91
06.5-17.2 Off Blue Pond	19 Oct	0705	9.7	NW-3	NW	5	0.1	0 7	15.4 15.4	31.24 31.24
07.6-12.4 Sugar Pt.	18 Oct	1715	16.0	SW-4	SW	15	0.8	0 5½	16.1 16.1	30.82 30.82
08.0-14.0	18 Oct	1700	16.2	SW-4	SW	20	1.0	0 7	16.2 16.2	31.24 31.24
08.5-15.6	18 Oct	1645	16.3	SW-4	SW	20	1.3	0 7	16.3 16.2	31.33 31.33
08.9-17.0 Public Landing	18 Oct	1630	15.8	SW-4	SW	8	0.4	0 4	16.6 16.6	31.06 31.06

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)
					Dir	Lgth (ft)	Ht (ft)			
09.7-15.6 (38) (75) Rick's Pt.	18 Oct	1615	16.1	SW-4	SW	15	0.9	0 6½	16.3 16.2	31.24 31.35
10.1-14.2 Beacon "39"	18 Oct	1545	16.6	SE-4	SE	14	0.9	0 7½	16.4 16.4	30.95 30.95
11.0-12.9 Beacon "35"	18 Oct	1530	17.1	SE-4	SE	12	0.5	0 6½	16.1 16.1	30.46 30.46
11.3-15.2 Kelly Point	18 Oct	1510	16.7	SE-4	SE	12	0.9	0 6	16.4 16.4	30.90 30.90
12.1-11.4 Beacon "31"	18 Oct	1315	16.8	SE-4	SE	11	0.6	0 7½	16.1 16.1	30.26 30.26
12.4-14.7 Handy Hammock	18 Oct	1455	16.6	SE-4	SE	10	0.8	0 5½	16.3 16.3	30.44 30.44
13.0-12.4	18 Oct	1330	16.8	SE-4	SE	10	0.4	0 6½	16.1 16.1	30.26 30.26
13.7-14.3 Marshall Cr. Ent.	18 Oct	1435	16.4	SE-4	SE	8	0.3	0 4	16.2 16.2	29.76 29.76
14.4-13.4	18 Oct	1415	16.7	SE-4	SE	12	0.8	0 5	16.0 16.0	28.82 28.82
13.8-12.2 Knott Pt.	18 Oct	1340	17.7	SE-4	SE	12	0.6	0 6½	16.4 16.3	29.74 29.74
15.2-11.6 Trappe Cr. Ent.	18 Oct	1400	17.7	SE-4	SE	8	0.2	0 4½	16.8 16.8	28.37 28.42

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)
					Dir	Lgth (ft)	Ht (ft)			
17.5-09.8 (38) (75)	18 Oct	1020	23.4	SE-4	--	--	0	0 5	15.2 15.0	17.52 17.52
<u>SINEPUXENT BAY</u>										
12.2-09.8 Eastern Ferry Channel	18 Oct	1300	16.9	SE-4	--	--	0	0 3	16.1 15.9	29.72 29.72
13.2-10.4 Beacon "27"	18 Oct	1230	16.7	SE-4	SE	9	0.5	0 8½	16.2 16.1	30.30 30.30
13.6-10.7 Green Point	18 Oct	1240	16.9	SE-4	SE	9	0.7	0 6½	16.5 16.4	30.35 30.35
14.2-09.4 Beacon "21"	18 Oct	1210	16.4	S-4	S	6	0.1	0 10½	16.2 15.9	30.34(2) 30.34
15.2-08.4 Beacon "15"	18 Oct	1150	16.6	S-3	S	6	0.2	0 8	16.2 16.0	30.50(2) 30.50
17.0-07.9 Beacon "13"	18 Oct	1135	16.8	S-3	S	5	0.1	0 9½	15.7 15.6	30.72(5) 30.72
18.0-06.9 Beacon "8"	18 Oct	1120	17.2	S-3	S	6	0.2	0 7½	16.6 16.6	30.64(5) 30.64
19.6-05.8 So. Ocean City Inlet	18 Oct	1055	17.6	S-3	--	--	0	0 24	17.1 17.1	30.73(5) 30.73

## Part II-23 21 October to 14 November 1952

Station (Lat., Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
03.5-15.7 (38) (75) Rum Harbor	23 Oct	1100	W	0	11.1	31.60	Flooding
03.5-15.7	13 Nov	1200	0	0 6	8.3 8.3	31.87 31.87	Ebbing
03.5-17.6 White Rock	23 Oct	1400	W	0	11.7	31.56	Flooding
03.5-17.6	13 Nov	1300	0	0 6	8.3 8.3	31.71 31.78	Ebbing
04.2-18.8 Johnson Bay Entrance	23 Oct	1500	W	0	11.7	31.80	Flooding
05.9-18.9 Rattlesnake Landing	13 Nov	1330	SE-1	0	8.3	31.35	Ebbing
08.9-14.9 Robbins Marsh	13 Nov	1100	0	0 6	8.3 8.3	31.69 31.69	Ebbing
08.9-17.0 Public Landing	21 Oct	1100	NW	0	10.6	31.58	Ebbing
08.9-17.0	22 Oct	0900	NW	0	9.4	31.58	Ebbing
08.9-17.0	23 Oct	1000	W	0	12.8	31.58	Ebbing
08.9-17.0	24 Oct	1000	W	0	12.2	31.65	Flooding
08.9-17.0	27 Oct	1000	SE	0	12.8	31.74	Ebbing
08.9-17.0	30 Oct	1500	SE	0	11.1	32.05	Flooding
08.9-17.0	31 Oct	1100	SE	0	10.6	32.00	Ebbing

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (OC)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	4 Nov	1500	NW	0	12.8	31.76	Flooding
08.9-17.0	5 Nov	1430	SE	0	11.4	31.71	Flooding
08.9-17.0 Public Landing	6 Nov	1000	W	0	11.1	31.78	Ebbing
08.9-17.0	7 Nov	0800	W	0	8.3	31.69	Flooding
08.9-17.0	8 Nov	1000	SW	0	7.8	31.76	Ebbing
08.9-17.0	10 Nov	1000	0	0	10.0	31.60	Ebbing
08.9-17.0	11 Nov	1000	0	0	8.9	31.60	Ebbing
08.9-17.0	12 Nov	1000	NW	0	9.4	31.55	Ebbing
08.9-17.0	13 Nov	1000	0	0	8.3	31.53	Ebbing
08.9-17.0	14 Nov	0900	0	0	7.8	31.55	Flooding
19.4-05.9 Cove Ocean City Inlet	6 Nov	1600	W	0	11.7	31.33	Ebbing

## Part II-24 19 November to 17 December 1952

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
56.1-22.8 (37) (75) Chincoteague Channel	25 Nov	1600	0	0 6	10.6 10.6	29.26 29.26	Flooding
02.5-21.6 (38) (75) George Island Landing	25 Nov	1500	0	0	11.1	25.79	Flooding
03.5-15.7 Rum Harbor	24 Nov	1500	NW-2	0 6	11.1 11.1	28.37 28.44	Flooding
03.5-15.7	8 Dec	1200	0	0	6.1	28.01	Flooding
03.5-17.6 White Rock	24 Nov	1600	NW-2	0 6	11.4 11.7	29.89 29.89	Flooding
03.5-17.6	8 Dec	1400	0	0	6.4	29.25	Flooding
05.9-18.9 Rattlesnake Landing	10 Dec	1200	SE-4	0	7.2	27.38	Flooding
08.9-14.9 Robbins Marsh	24 Nov	1300	0	0 6	11.7 11.4	28.39 29.18	Ebbing
08.9-14.9	8 Dec	1100	0	0	6.1	28.91	Slack
08.9-17.0 Public Landing	19 Nov	1530	0	0	11.7	30.62	Flooding
08.9-17.0	20 Nov	1100	SE-5	0	12.8	30.46	Ebbing
08.9-17.0	21 Nov	1100	NE-5	0	13.3	28.35	Ebbing
08.9-17.0	23 Nov	1300	0	0	12.2	28.84	Ebbing

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (‰)	Tide
08.9-17.0 (38) (75)	24 Nov	1000	NW-2	0	11.1	29.11	Flooding
08.9-17.0	25 Nov	1200	0	0	11.1	29.13	Flooding
08.9-17.0 Public Landing	26 Nov	1100	SE-4	0	10.6	27.83	Ebbing
08.9-17.0	27 Nov	1200	NE-2	0	12.2	28.87	Ebbing
08.9-17.0	28 Nov	1000	NW-2	0	10.0	28.89	Ebbing
08.9-17.0	30 Nov	1400	NW-4	0	6.7	28.89	Ebbing
08.9-17.0	1 Dec	0930	NW-2	0	3.9	29.14	Flooding
08.9-17.0	2 Dec	1000	NE-2	0	4.4	29.40	Flooding
08.9-17.0	3 Dec	1000	NW-2	0	4.4	29.52	Flooding
08.9-17.0	4 Dec	1000	NE-4	0	6.1	29.49	Flooding
08.9-17.0	5 Dec	1100	SE-4	0	7.2	29.83	Flooding
08.9-17.0	7 Dec	1600	0	0	6.7	28.86	Flooding
08.9-17.0	8 Dec	0900	0	0	6.7	28.93	Ebbing
08.9-17.0	9 Dec	1000	0	0	5.8	28.93	Ebbing
08.9-17.0	10 Dec	1000	SE-2	0	7.2	28.78	Ebbing
08.9-17.0	11 Dec	1500	NW-4	0	8.9	28.53	Flooding
08.9-17.0	12 Dec	1000	NW-4	0	6.1	28.53	Ebbing
08.9-17.0	13 Dec	1200	0	0	6.7	28.39	Ebbing
08.9-17.0	16 Dec	1100	SE-2	0	3.3	28.60	Ebbing
08.9-17.0	17 Dec	1000	0	0	4.4	28.53	Ebbing

## Part II-25 19 December to 30 December 1952

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Tide
					Dir	Lgth (ft)	Ht (ft)				
56.1-22.8 (37) (75) Chincoteague Channel	22 Dec	1500	--	0	--	--	--	0	5.6	28.79	Flooding
02.5-21.6 (38) (75) George Is. Ldg.	19 Dec	1200	0	NW-1	--	--	--	0	4.4	27.45	Flooding
04.6-20.8 Taylor Ldg.	29 Dec	1430	9.4	SW-3	--	--	--	0	2.5	27.48	--
05.9-18.9 Rattlesnake Ldg.	29 Dec	1450	9.1	SW-3	--	--	--	0	2.0	27.14	--
07.3-17.8 Figgs Ldg.	29 Dec	1510	9.7	SW-3	--	--	--	0	3.4	28.24	--
08.9-14.9 So. of Robbins Marsh	29 Dec	1650	1.8	SW-3	--	--	--	0 6	2.0 2.0	30.41 30.41	-- --
08.9-17.0 Public Ldg.	19 Dec	1030	--	0	--	--	--	0	5.0	28.71	Flooding
08.9-17.0	20 Dec	1030	--	0	--	--	--	0	4.4	28.84	Flooding
08.9-17.0	22 Dec	1500	--	NW-4	--	--	--	0	5.6	28.13	Flooding
08.9-17.0	24 Dec	1200	--	0	--	--	--	0	6.1	28.39	Ebbing
08.9-17.0	27 Dec	1400	--	NW-1	--	--	--	0	6.7	28.13	Flooding
08.9-17.0	30 Dec	1110	5.7	SW-2	--	0	0	0 5	2.6 2.0	28.17 28.33	-- --
09.7-15.5 Rattlesnake Ldg.	30 Dec	1120	5.7	SW-2	SW	3	0.1	0 6	2.1 2.1	28.59 28.69	-- --



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	Tide
					Dir	Lgth (ft)	Ht (ft)				
10.1-14.2 Beacon "39" (38) (75)	30 Dec	1130	5.2	SW-2	SW	3	0.1	0 8	2.4 2.2	29.07 29.07	-- --
11.0-12.9 Beacon "35"	30 Dec	1140	4.7	SW-3	SW	3	0.1	0 6	2.2 2.1	28.93 28.93	Ebbing
11.3-15.2 Kelly Pt.	30 Dec	1605	3.4	0	--	0	0	0	2.2	28.39	--
12.1-11.4 Beacon "31"	30 Dec	1150	4.4	SW-2	--	0	0	0 8	2.0 1.3	27.29 28.13	Strong Ebb
12.4-14.7 Handy Hammock	30 Dec	1555	3.8	0	0	0	0	0	2.2	28.44	--
12.5-13.2	30 Dec	1545	3.7	NW-1	--	--	--	0 6½	2.0 1.9	27.92 28.24	-- --
13.3-10.4 Beacon "27"	30 Dec	1200	5.1	SW-2	SW	3	0.1	0 6	2.2 1.7	28.17 28.17	Strong Ebb
14.2-09.4 Beacon "21"	30 Dec	1210	5.7	SW-1	--	0	0	0 8	1.7 1.5	28.37 28.37	Strong Ebb
15.9-08.4 Beacon "15"	30 Dec	1225	5.3	SW-1	--	0	0	0 6	2.4 2.2	29.25 29.25	Strong Ebb
17.0-07.9 Beacon "13"	30 Dec	1235	5.4	0	--	0	0	0 11	2.4 2.2	29.47 29.47	Strong Ebb
18.0-06.9 Beacon "8"	30 Dec	1245	5.8	0	--	0	0	0 11	3.3 3.2	29.79 29.79	Strong Ebb
19.6-05.8 So. Ocean City Inlet	30 Dec	1315	6.2	NW-2	--	0	0	0 8	3.7 3.8	30.08 30.08	Strong Ebb

## Part II-26 2 January to 27 January 1953

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
56.0-24.9 (37) (75) Queen Sound Bridge	21 Jan	1700	NE	0 24	8.0 8.3	29.47 29.47	Slack
56.1-22.8 Chincoteague Channel	8 Jan	1200	0	0 6	5.5 5.0	28.80 28.80	Flooding
56.1-22.8	21 Jan	1600	NE	0 6	7.8 7.8	30.01 30.01	Slack
02.5-21.6 (38) (75) George Is. Landing	21 Jan	1330	NE	0 3	8.7 8.7	23.89 23.98	Slack
03.5-15.7 Rua Harbor	14 Jan	1200	0	0 6	5.7 5.3	26.33 26.40	Flooding
03.5-17.6 White Rock	14 Jan	1300	0	0 6	5.4 5.0	27.01 27.01	Flooding
05.0-13.4 Green Run Bay	22 Jan	1400	NW-1	0 2½	6.7 6.4	27.63 27.72	Flooding
05.4-19.7 Brockato- Norton Bay	15 Jan	1130	0	0 4	6.0 5.7	25.68 25.82	Flooding
05.9-18.9 Rattlesnake Landing	15 Jan	1215	0	0 4	6.5 6.5	24.99 24.99	Flooding
06.5-17.2 Blue Pond	15 Jan	1100	0	0 4	5.4 5.2	27.01 27.01	Flooding
07.8-13.7	22 Jan	1200	NW	0 6	7.2 7.2	26.89 26.89	Flooding

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (c/oo)	Tide
08.9-14.7 (48) (75) S. of Robbins Marsh	14 Jan	1100	0	0	4.5	26.56	Flooding
				6	4.5	26.92	
08.9-14.7	22 Jan	1100	NW	0	7.0	26.82	Flooding
				6	6.8	26.89	
08.9-17.0 Public Landing	2 Jan	1530	0	0	5.6	27.90	Flooding
08.9-17.0	5 Jan	1100	0	0	4.0	27.63	Ebbing
08.9-17.0	6 Jan	1300	0	0	4.0	27.45	Ebbing
08.9-17.0	7 Jan	1100	0	0	5.0	27.23	Ebbing
08.9-17.0	8 Jan	1000	NE-1	0	5.5	26.67	Ebbing
08.9-17.0	9 Jan	1200	0	0	5.7	23.19	Ebbing
08.9-17.0	12 Jan	1600	NW-5	0	5.5	26.46	Ebbing
08.9-17.0	14 Jan	1000	0	0	6.0	26.67	Flooding
08.9-17.0	15 Jan	1030	--	0	6.6	26.40	Flooding
08.9-17.0	16 Jan	1100	--	0	9.0	26.15	Flooding
08.9-17.0	17 Jan	1000	--	0	5.7	26.65	Flooding
08.9-17.0	19 Jan	1100	--	0	8.7	25.41	Ebbing
08.9-17.0	21 Jan	1000	NE-4	0	8.5	26.04	Ebbing
08.9-17.0	22 Jan	1000	NW	0	7.5	26.44	Flooding

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	23 Jan	1000	--	0	7.0	26.17	Ebbing
08.9-17.0	24 Jan	1000	SE-5	0	8.7	25.61	Ebbing
08.9-17.0	26 Jan	1100	NW	0	5.0	25.79	Ebbing
08.9-17.0	27 Jan	1100	SE	0	5.7	27.05	Ebbing
09.7-15.6 Rick's Pt.	22 Jan	1530	NW-1	0 6	7.4 7.6	26.55 26.58	-- --
10.1-14.2 Beacon #39"	22 Jan	1500	NW-1	0 8	7.3 7.3	26.69 26.69	-- --

## Part II-27 2 February to 21 February 1953

Lat. Long.)	Date	Time (EST)	Wind	Depth (Ft)	Water (°C)	Sal. (o/oo)	Tide
56.0-24.9 (37) (75)	11 Feb	1530	NE-1	0 24	4.7 5.2	27.66 27.66	Ebbing
56.1-22.8 Chincoteague Channel Bridge	11 Feb	1500	NE-1	0 6	5.5 4.7	27.45 - 27.66	Ebbing
02.5-21.6 (38) (75) George Is. Landing	11 Feb	1200	NE-1	0	4.5	23.08	Ebbing
02.5-21.6	18 Feb	1530	NW-1	0	5.3	22.83	Flooding
03.5-15.7 Rum Harbor	6 Feb	1200	SE-1	0 6	3.7 3.7	26.82 26.82	Flooding
03.5-17.6 White Rock	6 Feb	1300	SE-1	0 6	4.7 4.7	26.76 26.76	Flooding
08.9-14.7 So. Robbins Marsh	6 Feb	1000	0	0 6	3.7 4.0	26.53 26.74	Ebbing
08.9-14.7	19 Feb	1100	SW-1	0 6	4.2 4.2	24.96 25.12	Ebbing
08.9-17.0 Public Landing	2 Feb	1600	NE-1	0	7.1	28.53	Ebbing
08.9-17.0	4 Feb	1030	NE-1	0	6.3	26.55	Ebbing
08.9-17.0	5 Feb	1630	NE-1	0	6.3	26.44	Flooding
08.9-17.0	6 Feb	0930	0	0	4.7	26.35	Ebbing
08.9-17.0	7 Feb	1500	SE-1	0	7.0	26.37	Flooding
08.9-17.0	10 Feb	1400	NW-1	0	8.0	25.88	Ebbing

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	11 Feb	1015	NE-1	0	4.2	26.06	Flooding
08.9-17.0	12 Feb	1030	SE-4	0	5.7	24.99	Flooding
08.9-17.0 Public Landing	13 Feb	1000	SE-1	0	5.7	25.75	Flooding
08.9-17.0	14 Feb	1300	SE-1	0	6.6	25.66	Flooding
08.9-17.0	16 Feb	1045	NW-1	0	7.2	24.74	Ebbing
08.9-17.0	17 Feb	1045	NW-4	0	7.2	25.08	Ebbing
08.9-17.0	18 Feb	1030	NW-1	0	6.6	24.74	Ebbing
08.9-17.0	19 Feb	1000	SW-1	0	4.8	22.79	Ebbing
08.9-17.0	20 Feb	1000	0	0	6.4	24.72	Ebbing
08.9-17.0	21 Feb	1400	SE-4	0	9.6	23.95	Flooding
09.0-14.0 East of Robbins Marsh	19 Feb	1130	SW-1	0 6	4.7 4.3	25.61 25.61	Ebbing
10.1-14.2 Beacon "39"	20 Feb	1100	0	0 6	5.7 4.9	25.52 25.52	Ebbing
12.1-11.4 Beacon "31"	20 Feb	1130	0	0 6	5.3 4.9	24.58 24.58	Ebbing
12.8-11.3 So. Pt. Ferry Slip	13 Feb	1300	0	0 4	7.2 5.8	27.74 28.26	Flooding

## Part II-28 23 February to 26 February 1953

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Cloud Cover	Depth (ft)	Water (°C)	Sal (o/oo)	pH (Red. to temp in situ)	Secchi Disc Reading (ft)	
					Dir	Lgth (ft)	Ht (ft)						Black	White
CHINCOTEAGUE INLETS AND BAY 51.3-22.8 (37) (75) 1 mile 180°T fr. Fishing Pt.	25 Feb	1125	11.0	NW-1	-	0	0	0	0	7.6 7.4	30.17 30.59	8.15 8.15	1.6	2.5 (26)
52.6-23.5 Fishing Pt.	25 Feb	1120	11.0	NW-1	-	0	0	0	0	7.9 7.5	29.42 30.19	8.15 8.15	2.1	3.5
53.8-25.4 Chincoteague Pt.	25 Feb	1110	11.2	NW-2	NW	3	.1	1	0 12½	7.3 7.4	30.28 30.28	8.15 8.15	1.6	1.9
55.0-24.9 Beacon "11"	25 Feb	1155	14.2	NW-1	-	0	0	1	0 8	8.6 7.7	29.87 30.17	8.16 8.15	1.5	2.3
56.0-24.9 Queen Sound Bridge	25 Feb	1040	10.7	NW-2	-	0	0	1	0 26	7.4 7.1	29.99 30.25	8.14 8.15	1.2	2.0 (17)
56.3-22.4 Chincoteague Chan. Beacon "1"	25 Feb	0930	8.5	NW-3	-	0	0	1	0 9	6.8 7.2	29.94 29.94	8.16 8.17	1.2	2.3
57.5-23.8	25 Feb	1030	10.6	NW-2	NW	4	0.2	1	0 5½	7.5 7.6	29.99 29.99	8.13 8.13	1.5	2.3
58.5-23.0 Beacon "4"	25 Feb	0950	12.8	NW-3	NW	8	0.6	1	0 5½	7.0 6.9	29.11 29.11	8.17 8.15	2.7	3.7
59.0-24.2 Cockle Pt.	25 Feb	1020	10.3	NW-2	NW	4	0.1	1	0 4½	7.7 7.7	25.26 25.26	8.13 8.13	2.1	3.1
59.7-21.0	25 Feb	1000	9.4	NW-3	NW	8	0.4	1	0 6½	7.7 7.7	27.81 27.79	8.11 8.11	1.7	2.7

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Cloud Cover	Depth (ft)	Water (°C)	Sal (o/oo)	pH (Red. to temp in situ)	Secchi Disc Reading (ft)	
					Dir	Lgth (ft)	Ht (ft)						Black	White
00.2-22.2 (38) (75) Long Pt.	25 Feb	1005	9.7	NW-2	NW	6	0.2	1	0 7	7.6 7.4	26.22 26.44	8.11 8.16	2.7	4.8
00.4-14.0 Ragged Pt. Marshes	26 Feb	1200	11.8	SW-2	SW	6	0.2	1	0 4½	9.6 9.4	27.54 27.54	8.27 8.28	2.3	3.5
00.7-18.0	26 Feb	1235	12.3	SW-4	WSW	12	1.0	4	0 4½	9.6 9.4	28.31 28.31	8.23 8.21	2.6	3.2
01.2-18.9 Md.-Va. Line	26 Feb	1250	13.4	WSW-4	WSW	15	1.3	5	0 6½	9.3 9.1	27.86 27.86	8.23 8.13	2.3	3.7
01.5-20.1	26 Feb	1310	12.5	WSW-4	WSW	15	1.3	8	0 6½	9.3 9.1	26.44 26.44	8.22 8.23	2.4	2.8
02.0-16.7 Cedar Island	26 Feb	1135	11.4	SW-3	SW	10	0.3	1	0 6½	9.1 8.8	27.68 27.68	8.25 8.26	2.0	4.0
02.0-21.1 Parker Bay Ent.	26 Feb	1325	12.2	WSW-4	WSW	6	0.2	8	0 4	9.7 9.7	25.12 25.23	8.20 8.13	0.9	1.3
03.5-15.7 Rum Harbor	26 Feb	1110	10.7	SW-3	SW	8	0.3	1	0 4½	9.2 8.9	27.20 27.11	8.13 8.14	1.4	2.0
03.5-17.6 White Rock	26 Feb	1405	12.4	WSW-3	WSW	12	0.3	4	0 6	9.6 9.3	26.29 26.29	8.22 8.23	2.3	3.9
04.0-21.0 Johnson Bay	26 Feb	1455	12.2	SW-3	SW	8	0.6	1	0 5	10.1 10.0	23.12 23.21	8.28 8.28	2.6	3.7
04.2-18.8 Johnson Bay Ent. (Off Assacorkin Is.)	26 Feb	1430	12.5	SW-3	SW	12	0.7	1	0 5	9.9 9.7	25.12 24.99	8.23 8.22	1.5	2.5



Station (Lat.-Long)	Date	Time (EST)	Air Temp (°C)	Wind	Waves		Cloud Cover	Depth (ft)	Water (°C)	Sal (o/oo)	pH (Red. to temp in situ)	Secchi Disc Reading (ft)		E-10 cm cell	
					Dir	Lgth (ft)						Black	White	m $\mu$ 425	m $\mu$ 525
05.0-13.0 (38) (75) Green Run Bay	25 Feb	1530	10.2	SE-3	SE	3	0.1	1	9.4 9.2	25.66 25.50	8.14 8.15	2.5	3.1	--	--
05.2-16.6 Black Beacon	25 Feb	1550	10.1	SE-3	SE	6	0.3	1	8.2 8.2	25.55 25.48	8.13 8.09	3.0	*	--	--
05.4-19.7 Brookato- norton Bay	26 Feb	1525	12.4	SW-5	SW	10	0.8	1	10.4 10.4	22.70 22.88	8.30 8.31	2.0	*	--	--
06.2-13.2 Ent.Gr. Run Lodge Channel	25 Feb	1440	10.8	SSE-3	SSE	5	0.3	1	7.9 7.7	25.46 25.46	8.10 8.12	2.3	*	--	--
06.5-17.2 Off Blue Pond	25 Feb	1605	10.2	SE-3	SE	4	0.4	1	7.7 7.7	-- --	8.11 8.11	3.0	4.5	--	--
07.6-12.0 Sugar Pt.	25 Feb	1430	11.8	SSE-4	SSE	4	0.4	1	8.0 7.9	25.14 25.14	8.10 8.11	1.8	3.2	--	--
07.8-13.7	25 Feb	1410	13.1	0	0	0	0	1	7.8 7.7	25.46 25.46	8.14 8.13	3.5	5.0	--	--
08.9-14.7 So. of Robbins Marsh	23 Feb	1225	6.6	NW-2	NW	3	0.1	1	7.5 7.6	25.68 25.68	7.88 7.92	3.0	4.2	.119	.042
08.9-17.0 Public Landing	23 Feb	1210	6.5	NW-2	NW	2	0.1	1	8.6	24.58	8.02	--	--	.165	.151
08.9-17.0	24 Feb	1705	7.9	SW-4	SW	10	0.6	9	7.3	24.20	8.09	--	--	.229	.188
08.9-17.0	26 Feb	1640	12.6	NW-5	-	0	0	1	9.3	24.90	8.25	--	--	--	--
09.7-15.6	24 Feb	1655	8.1	SW-4	SW	10	0.6	9	7.3 7.3	24.54 24.54	8.08 8.12	--	--	.168	.134

\* Vis. on bottom

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves		Cloud Cover	Depth (ft)	Water (°C)	Sal (o/oo)	pH (Red. to temp in situ)	Secchi Disc Reading (ft)		E-10 cm cell	
					Dir	Lgth (ft)						Black	White	m $\mu$ 425	m $\mu$ 525
11.0-12.8 (38) (75) Beacon "35"	23 Feb	1305	8.5	NW-1	NW	2	0.1	1	7.5 7.4	21.20 21.20	7.95 7.92	1.7	2.8	.261	.201
11.3-15.2 Kelly Pt.	24 Feb	1635	8.3	SW-4	SW	10	0.5	9	7.3 7.2	24.33 24.33	8.08 8.12	--	--	.267	.229
12.1-11.4 Beacon "31"	23 Feb	1330	13.9	NW-1	NW	2	0.1	1	8.0 7.7	21.33 22.57	7.91 7.99	1.9	2.9	.182	.149
12.4-14.7 Handy Hamnock	24 Feb	1620	8.2	SW-4	SW	10	0.5	9	7.3 7.2	23.30 23.30	8.08 7.99	--	--	.346	.281
12.5-13.2	24 Feb	1605	8.5	SW-4	SW	12	0.7	9	7.3 6.9	24.22 24.11	8.13 8.12	--	--	.138	.105
13.3-10.4 Beacon "27"	23 Feb	1345	16.6	NW-1	NW	2	0.1	1	8.0 8.0	25.30 25.30	8.02 7.96	3.6	5.0	.085	.070
14.2-09.4 Beacon "21"	23 Feb	1400	10.6	SE-2	SE	1.5	0.1	1	7.6 8.0	25.46 25.46	8.03 8.07	3.0	5.0	.125	.103
15.9-08.4 Beacon "15"	23 Feb	1425	10.2	SE-3	SE	4.0	0.2	1	7.7 7.7	25.23 25.23	8.06 8.03	2.0	4.5	.108	--
17.0-07.8 Beacon "13"	23 Feb	1440	8.4	SE-3	SE	4	0.2	1	7.7 7.7	25.03 25.03	8.06 8.08	2.5	3.4	.170	.144
18.0-06.9 Beacon "8"	23 Feb	1500	8.4	SE-3	SE	4	0.3	1	7.3 7.3	26.55 26.55	8.06 8.09	2.1	3.6	.237	.193
19.6-05.8 So. Ocean City Inlet	23 Feb	1615	8.4	SE-3		0	0	1	6.8 6.8	30.90 30.77	8.04 8.06	.12	1.9	.528	.469

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Cloud Cover	Depth (ft)	Water Temp (°C)	Sal (o/oo)	pH (Red. to temp in situ)	Secchi Disc Reading (ft)		E-10 xm cell	
					Dir	Lgth (ft)	Ht (ft)						Black	White	m $\mu$ 425	m $\mu$ 525
19.6-05.8 (38) (75) So. Ocean City Inlet	24 Feb	1030	6.5	WSW-2		0	0	2	0 20	6.4 6.4	29.96 29.96	8.15 8.18	1.1	2.4	.563	.490
ISLE OF WIGHT BAY																
20.5-05.2 Beacon "4"	24 Feb	1055	7.3	SW-2	SW	2	0.2	4	0 6	7.3 6.7	28.82 28.82	8.17 8.09	1.8	2.4	.382	.335
21.8-05.3 Beacon "5"	24 Feb	1130	8.4	SW-3	SW	6	0.3	4	0 4 $\frac{1}{2}$	7.0 6.8	24.49 24.78	8.13 8.17	2.3	3.8	.194	.150

## Part II-29 3 March to 30 March 1953

Station (Lat., Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
03.5-15.7 (38) (75) Rum Harbor	14 Mar	1100	SE-2	0 6	10.2 9.3	25.30 25.30	Ebbing
03.5-17.6 White Rock	14 Mar	1130	SE-2	0 6	10.3 9.6	25.91 26.17	Ebbing
04.0-21.0	14 Mar	1200	SE-2	0 4	10.9 10.2	24.52 25.25	Ebbing
05.9-18.9 Rattlesnake Landing	14 Mar	1330	SE-2	0	13.0	25.12	Ebbing
08.9-17.0 Public Landing	2 Mar	1100	NE-4	0	2.2	24.51	Flooding (39)
08.9-17.0	3 Mar	1100	NE-4	0	4.7	29.09	Flooding
08.9-17.0	4 Mar	1100	S-2	0	6.8	23.55	Flooding
08.9-17.0	5 Mar	1000	SW-4	0	6.7	24.34	Flooding
08.9-17.0	6 Mar	1000	SW-2	0	6.5	24.60	Flooding
08.9-17.0	7 Mar	1400	NW-2	0	13.3	24.58	Flooding
08.9-17.0	10 Mar	0930	NW-2	0	4.7	24.40	Ebbing
08.9-17.0	11 Mar	1115	E-4	0	7.0	24.16	Ebbing
08.9-17.0	12 Mar	1600	E-2	0	10.1	20.16	Flooding
08.9-17.0	13 Mar	1000	NW-2	0	8.7	22.86	Ebbing
08.9-17.0	14 Mar	1000	SE-2	0	10.4	23.86	Ebbing
08.9-17.0	16 Mar	1100	NW-2	0	13.7	23.33	--

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	17 Mar	1100	NW-2	0	13.4	23.04	--
08.9-17.0	19 Mar	1230	NW-2	0	13.2	22.97	--
08.7-17.0 Public Landing	21 Mar	1030	SE-2	0	12.6	23.01	Ebbing
08.7-17.0	23 Mar	1300	SE-4	0	15.1	19.63	Flooding
08.7-17.0	24 Mar	1100	SE-4	0	13.7	23.53	Flooding
08.7-17.0	25 Mar	1330	NE-4	0	14.0	22.63	Ebbing
08.7-17.0	26 Mar	1000	NW-4	0	10.7	23.06	Flooding
08.7-17.0	27 Mar	1000	NW-4	0	10.0	23.55	Flooding
08.7-17.0	30 Mar	1530	NW-8	0	13.7	23.84	Flooding

Part II-30 1 April to 3 April 1953

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E -10 cm cell		
					Dir	Lgth (ft)	Ht (ft)				m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
CHINCOTEAGUE BAY AND INLETS													
52.6-23.5 (37) (75) Fishing Pt.	1 Apr	1450	12.7	SE-4	SE	6	0.2	0 24	10.7 10.6	30.12 30.12	.220	.182	.150
53.8-23.5 Chincoteague Pt.	1 Apr	1440	13.0	SE-4	--	0	0	0 17	9.9 9.7	29.23 29.23	.222	.203	.186
54.7-24.3	1 Apr	1500	11.7	SE-3	--	0	0	0 5	10.7 10.5	29.90 29.90	.211	.094	.170
55.0-24.9 Chincoteague Beacon "11"	1 Apr	1510	13.1	SE-3	--	0	0	0 21	11.2 10.7	29.70 29.70	.235	.191	.150
56.0-24.9 Queen Sound Bridge	1 Apr	1425	13.4	SE-3	*--	--	--	0 24	10.7 10.7	29.65 29.65	.165	.140	.117
56.3-22.4 Chincoteague Channel Beacon "11"	1 Apr	1320	13.9	SE-2	--	0	0	0 11	10.6 10.6	29.63 29.63	.169	.134	.119
57.5-23.8	1 Apr	1415	13.5	E-3	E	5	0.3	0 5	11.3 11.1	28.62 28.62	.140	.130	.120
58.5-23.0 Beacon "4"	1 Apr	1335	12.1	SE-2	SE	2	0.1	0 6	11.0 10.9	29.07 29.07	.176	.142	.128
59.0-24.2 Cockle Pt.	1 Apr	1400	13.1	E-3	E	4	0.2	0 5	11.3 11.5	26.82 26.82	.090	.075	.061
59.1-25.6 Swans Cut Cr. Ent.	1 Apr	1405	13.2	E-3	E	4	0.2	0 4	11.7 11.7	26.60 26.60	.129	.101	.073
59.7-21.0	1 Apr	1345	12.8	E-3	E	4	0.2	0 6	11.1 10.7	27.74 28.57	.079	.091	.070

\* Copy

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E-10 cm cell		
					Dir	Lgth (ft)	Ht (ft)				m/μ	m/μ	m/μ
00.2-22.2 (38) (75) Long Pt.	1 Apr	1350	12.5	E-3	E	4	0.1	0 7	11.4 11.3	26.24 26.15	.102 --	.084 --	.650 639
00.4-14.0 Ragged Pt. Marshes	2 Apr	1005	13.9	NW-2	--	0	0	0 5	12.4 11.9	27.68 27.65	-- --	-- --	-- --
00.8-18.0	2 Apr	1015	14.4	NW-4	NW	16	1.2	0 5	11.9 12.0	27.25 27.32	-- --	-- --	-- --
01.2-18.9 Md.-Va. Line	2 Apr	1030	14.6	NW-4	NW	16	1.0	0 6	11.8 11.9	27.16 27.16	-- --	-- --	-- --
01.5-20.1	2 Apr	1045	15.2	NW-4	NW	12	1.0	0 6½	11.6 11.7	26.33 26.33	-- --	-- --	-- --
02.0-16.7 Cedar Islands	2 Apr	0940	13.2	0	--	0	0	0 6	11.5 11.5	25.91 25.91	-- --	-- --	-- --
02.0-21.1 Parker Bay Ent.	2 Apr	1110	15.5	W-4	W	6	0.3	0 4	12.5 12.6	25.12 25.12	-- --	-- --	-- --
02.8-21.2 Parker Bay	2 Apr	1150	15.8	NW-4	NW	5	0.3	0 2½	13.4 13.4	24.25 24.25	-- --	-- --	-- --
03.5-15.7 Rum Harbor	2 Apr	0925	12.9	NW-1	NW	4	0.1	0 5	11.7 11.6	24.49 24.65	-- --	-- --	-- --
03.5-17.6 White Rock	3 Apr	0845	11.7	NE-4	NE	16	1.0	0 6	11.5 11.4	24.72 24.72	.086 --	.065 --	.059 --
04.0-21.0	2 Apr	1200	14.9	NW-4	NW	6	0.4	0 4½	12.3 12.3	23.78 23.78	-- --	-- --	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (o/oo)	E -10 cm cell		
					Dir	Lgth (ft)	Ht (ft)				m $\mu$ 425	m $\mu$ 525	m $\mu$ 650
04.2-18.8 (38) (75) Johnson Bay Ent. (Assacorkin Is.)	2 Apr	1220	13.6	NW-5	NW	12	1.0	0 5	12.0 12.0	24.99 24.99	-- --	-- --	-- --
05.0-13.0 Green Run Bay	2 Apr	0900	12.5	NW-1	NW	4	0.1	0 5	11.7 11.9	24.16 24.27	-- --	-- --	-- --
05.2-16.6 Black Beacon	3 Apr	0825	11.9	NE-4	NE	12	0.8	0 6	11.3 11.3	24.04 24.04	.098 --	.075 --	.066 --
05.3-18.9 Martin Bay	2 Apr	1250	13.5	NW-5	NW	6	0.4	0 3½	12.8 12.8	23.68 23.68	-- --	-- --	-- --
05.4-19.7 Brockatonorton Bay	2 Apr	1305	13.3	NW-5	NW	6	0.3	0 3½	12.9 12.9	23.69 23.69	-- --	-- --	-- --
06.2-13.2 Ent. Green Run Channel	2 Apr	0845	12.3	NW-1	--	0	0	0 4	11.2 11.2	22.05 22.05	-- --	-- --	-- --
06.5-17.2 Off Blue Pond	3 Apr	0805	11.5	NE-4	NE	16	1.2	0 6½	11.4 11.5	23.80 23.80	.086 --	.071 --	.050 --
06.6-17.6 Blue Pond Ent.	2 Apr	1330	13.5	NW-4	NW	3	0.1	0 4	12.5 12.5	23.82 23.82	-- --	-- --	-- --
07.6-12.0 Sugar Pt.	2 Apr	0830	12.1	NW-1	NW	6	0.2	0 5	11.5 11.3	21.56 21.73	-- --	-- --	-- --
07.8-13.7	2 Apr	0815	12.1	NW-1	NW	6	0.2	0 6	10.9 10.9	22.86 22.86	-- --	-- --	-- --
08.4-15.6 So. of Robbins Marsh	2 Apr	0800	12.0	NW-2	NW	6	0.2	0 6	11.1 11.1	23.10 23.10	-- --	-- --	-- --



Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Dir	Waves		Depth (ft)	Water (°C)	Sal (o/oo)	E-10 cm cell		
						Lgth (ft)	Ht (ft)				m 425	m 525	m 650
08.9-17.0 (38) (75) Public Landing	2 Apr	1700	12.3	NW-3	--	0	0	0 4	12.0 12.0	23.39 23.39	-- --	-- --	-- --
08.9-17.0	3 Apr	1135	12.9	NE-3	--	--	--	0	14.4	23.53	--	--	--
09.7-15.6	1 Apr	0700	10.7	NE-1	ENE	5	0.1	0 5½	10.7 10.9	23.60 23.78	.105 --	.070 --	.053 --
10.1-14.2 Beacon "39"	1 Apr	0710	10.6	NE-2	NE	6	0.2	0 6	10.2 10.3	23.21 23.21	.117 --	.114 --	.092 --
11.0-12.9 Beacon "35"	1 Apr	0725	9.7	ENE-2	ENE	6	0.1	0 6	10.4 10.6	23.13 23.31	.158 --	.124 --	.101 --
11.3-15.2 Kelly Pt.	2 Apr	1430	12.6	NW-4	NW	2	0.1	0 6	12.2 11.9	21.71 22.57	-- --	-- --	-- --
12.1-11.4 Beacon "31"	1 Apr	0740	9.6	ENE-2	NE	6	0.1	0 6	10.4 10.4	21.24 21.98	.150 --	.125 --	.102 --
12.4-14.7 Handy Hammock	2 Apr	1445	12.3	NW-4	NW	4	0.2	0 5	11.9 11.8	22.29 22.59	-- --	-- --	-- --
13.0-12.4 Island Pt.	2 Apr	1600	12.4	N-4	NW	12	0.9	0 6	12.1 12.0	19.87 20.61	-- --	-- --	-- --
13.7-14.3	2 Apr	1500	12.5	NW-3	--	0	0	0 4	12.5 12.5	22.47 22.57	-- --	-- --	-- --
13.8-12.2 Knot Pt.	2 Apr	1550	12.5	NW-4	NW	12	0.3	0 6	12.2 11.6	19.24 21.92	-- --	-- --	-- --
14.7-13.1	2 Apr	1520	12.1	NW-3	NW	3	0.1	0 5	11.8 11.7	20.08 20.68	-- --	-- --	-- --

Station (Lat.-Long.)	Date	Time (EST)	Air Temp (°C)	Wind	Waves			Depth (ft)	Water (°C)	Sal (‰)	E -10 cm cell	
					Dir	Lgth (ft)	Ht (ft)				m $\mu$ 425	m $\mu$ 525
15.2-11.6 Treppe Cr. Ent.	2 Apr	1530	12.4	NW-3	NW	3	0.1	0 4	12.5 12.4	16.09 16.46	-- --	-- --
SENEPUEXENT BAY												
12.2-09.8 Eastern Ferry	1 Apr	0750	9.6	ENE-2	ENE	2	0.1	0 4½	10.6 10.7	22.21 22.38	.129 --	.095 --
13.2-10.4 Beacon "27"	1 Apr	0805	9.6	ENE-2	ENE	3	0.1	0 7	10.4 10.5	22.75 25.84	.118 --	.095 --
13.6-10.7 Green Pt.	1 Apr	0815	9.5	ENE-3	ENE	4	0.3	0 6	10.7 10.7	23.33 23.86	.127 --	.081 --
14.2-09.4 Beacon "21"	1 Apr	0930	9.4	ENE-1	--	0	0	0 8	10.6 10.5	24.22 24.38	.126 --	.094 --
15.9-08.4 Beacon "15"	1 Apr	0845	9.3	ENE-1	--	0	0	0 6	10.1 10.0	28.10 28.10	.123 --	.089 --
17.0-07.9 Beacon "13"	1 Apr	0900	9.2	ENE-1	--	0	0	0 9	9.8 9.8	28.64 28.69	.105 --	.080 --
18.0-06.9 Beacon "8"	1 Apr	0920	8.6	ENE-2	ENE	2	0.1	0 8½	8.7 8.7	28.62 28.62	.070 --	.084 --
19.6-05.8 So. Ocean Inlet	1 Apr	0940	9.1	ENE-1	--	0	0	0 15	8.6 8.6	28.75 28.75	.119 --	.082 --

## Part II-31 6 April to 22 April 1953

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
03.5-15.7 (38) (75) Rum Harbor	16 Apr	1200	SW-1	0 6	11.7 11.3	23.76 23.76	-- --
03.5-17.6 White Rock	16 Apr	1330	SW-1	0 6	11.7 11.4	23.24 23.24	-- --
08.9-14.6 Robbins Marsh	16 Apr	1220	SE-4	0 6	11.6 11.3	22.36 22.56	-- --
08.9-17.0 Public Landing	6 Apr	1215	SE-4	0	14.6	23.31	Flooding
08.9-17.0	7 Apr	1400	0	0	14.5	22.97	Ebbing
08.9-17.0	8 Apr	1130	NW-4	0	14.2	23.39	Flooding
08.9-17.0	9 Apr	1145	SE-1	0	13.7	23.21	Flooding
08.9-17.0	10 Apr	1100	SE-1	0	13.7	23.04	Flooding
08.9-17.0	12 Apr	1345	SE-5	0	15.7	22.97	Ebbing
08.9-17.0	13 Apr	1400	0	0	13.8	22.77	Ebbing
08.9-17.0	14 Apr	1030	NW-5	0	11.7	22.25	Ebbing
08.9-17.0	15 Apr	1030	SE-1	0	12.3	22.25	Ebbing
08.9-17.0	16 Apr	1030	SE-1	0	11.8	20.91	--
08.9-17.0	17 Apr	1030	NW-4	0	12.7	21.89	--
08.9-17.0	20 Apr	1000	NW-4	0	11.5	21.98	--
08.9-17.0	21 Apr	1030	NW-4	0	11.3	21.98	--
08.9-17.0	22 Apr	1020	SE-4	0	13.7	22.07	--
10.3-15.2 Terrapin Rock	15 Apr	1200	SE-4	0 6	11.8 11.4	22.00 22.52	-- --

## Part II-32 27 April to 10 June 1953

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
56.1-22.8 (37) (75) Chincoteague Channel	27 Apr	1600	SW-4	0 6	16.4 15.8	30.37 30.79	Flooding
56.1-22.8	11 May	1600	SE-1	0 6	23.4 23.0	30.6 30.5	Flooding
01.1-21.0 (38) (75) Hardy's Hole	6 May	1130	SE-4	0 5	22.3 21.4	27.4 27.4	Ebbing
02.5-21.6 George Is. Landing	6 May	1200	SE-4	0	23.2	26.08	Ebbing
03.5-15.7 Rum Harbor	29 Apr	1230	NE-1	0 6	16.2 16.1	27.0 27.0	Flooding
03.5-17.6 White Rock	29 Apr	1400	NE-1	0 6	16.8 16.7	26.0 26.8	Flooding
03.5-17.6	6 May	1100	SE-4	0 6	21.3 21.0	26.60 26.70	Ebbing
04.5-16.2 Drun Rock	29 Apr	1200	NE-1	0 5	16.1 15.9	25.9 26.1	Flooding
05.9-18.9 Rattlesnake Landing	6 May	1300	SE-4	0	23.4	24.8	Ebbing
08.9-14.6 So. Robbins Marsh	29 Apr	1000	NE-1	0 6	16.1 16.0	23.48 23.48	Ebbing
08.9-14.6	14 May	--	SE-4	0 6	22.5 22.6	23.3 23.7	Ebbing
08.9-17.0 Public Landing	27 Apr	1430	SW-1	0	19.1	23.89	Ebbing

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	28 Apr	1100	SW-4	0	17.2	24.60	Flooding
08.9-17.0	29 Apr	0930	NE-1	0	17.3	24.10	Ebbing
08.9-17.0	30 Apr	1200	0	0	18.1	23.20	Flooding
08.9-17.0	1 May	1425	SW-1	0	20.3	22.88	Flooding
08.9-17.0	4 May	1000	0	0	17.7	22.52	--
08.9-17.0	5 May	1515	SW-4	0	22.7	23.50	Flooding
08.9-17.0 Public Landing	7 May	1030	SW-1	0	22.3	24.00	Ebbing
08.9-17.0	9 May	1030	0	0	21.8	24.20	Ebbing
08.9-17.0	11 Apr	1500	SE-1	0	26.3	24.00	Flooding
08.9-17.0	13 May	1030	SE-4	0	22.4	24.60	Flooding
08.9-17.0	15 May	1800	NE-1	0	24.3	24.74	--
08.9-17.0	17 May	1430	SE-1	0	26.3	25.34	--
08.9-17.0	20 May	1400	NW-1	0	23.7	22.52	--
08.9-17.0	26 May	1100	SE-4	0	21.7	25.05	--
08.9-17.0	28 May	1715	NW-5	0	22.5	26.47	Ebbing
08.9-17.0	30 May	1200	SE-5	0	19.4	27.00	Ebbing
08.9-17.0	1 June	1500	NE-5	0	16.5	25.46	Ebbing
08.9-17.0	5 June	1700	SE-5	0	26.2	26.58	Flooding

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
08.9-17.0 (38) (75)	7 June	2030	SE-1	0	26.0	27.54	Ebbing
08.9-17.0	9 June	1445	SE-5	0	25.8	26.13	Ebbing
09.1-14.1 East Lump	29 Apr	1100	NE-1	0 5	16.1 15.9	23.5 23.9	Ebbing
09.4-14.1	14 May	--	SE-4	0 5	22.3 22.3	23.5 23.5	Ebbing
10.3-15.2 Terrapin Rock	29 Apr	1015	NE-1	0 6	15.7 15.6	23.4 23.4	Ebbing
10.3-15.2 Terrapin Rock	14 May	--	SE-4	0 6	22.2 22.4	21.9 22.7	Ebbing
10.3-15.2	10 June	--	ESE-4	0	--	24.98	--
11.1-15.7 Turpin Cove	8 May	1100	SE-4	0 4	22.1 22.1	20.8 21.6	Ebbing
11.3-14.0 Kelly Pt.	8 May	1200	SE-4	0 6	21.7 20.8	20.4 21.6	Ebbing
12.1-11.4 Beacon "31"	14 May	--	SE-4	0 6	22.3 22.3	24.9 24.8	Ebbing
12.4-14.7 Handy Hammock	8 May	1230	SE-4	0 6	19.2 20.0	22.4 20.9	Ebbing
15.2-11.6 Upper Newport Bay	8 May	1300	SE-4	0 4	22.3 22.3	15.1 16.1	Ebbing

Station (Lat.-Long.)	Date	Time (EST)	Wind	Depth (ft)	Water (°C)	Sal (o/oo)	Tide
15.9-08.4 (38) (75) Beacon "15"	14 May	--	SE-4	0 4	21.7 21.3	24.9 25.5	Ebbing
19.3-05.9 Ocean City Flats	4 May	1500	NE-4	0	19.9	28.2	Ebbing
19.3-05.9	14 May	--	SE-4	0	17.5	28.8	Ebbing
19.7-05.5 Ocean City Inlet	4 May	1630	NE-4	0 10	17.9 17.3	28.5 ---	Ebbing
19.7-05.5	14 May	--	SE-4	0 10	17.7 17.8	28.5 30.5	Ebbing

Part II

REMARKS

1. Slack water.
2. Slight ebb.
3. Slight flood.
4. Moderate ebb.
5. Strong ebb.
6. Strong flood.
7. Ebbing.
8. Flooding.
9. Slight ebb at the surface.
10. Flooding on the bottom.
11. Bottom 20'.
12. Currents were taken at Midchannel Buoy in 30' of water.  
Salinity and temperature at deepest part.
13. Depth 1'.
14. Depth 1½'.
15. Depth 2'.
16. Depth 2½'.
17. Depth 33'.
18. Wire angle 45° depth of water 24'.
19. Well 11' into the sand.
20. A water hole 30' in diameter and about 1½' deep.
21. A water hole 50' x 30' and 1' deep.
22. Water light brown.
23. Water brown.
24. Water dark brown.
25. Suspended matter in sample, milky.
26. Sand suspended in the water.
27. Bottom mud in sample.
28. pH 8.01
29. pH 8.31
30. Taken north of bridge.
31. Taken south of bridge.
32. 22 miles southeast Ocean City Inlet.
33. Thunderstorm just prior to time station was occupied.
34. Station occupied just after a heavy thunderstorm.
35. Snowing.
36. Shell bag down.
37. Upper limit of crab traps.
38. Surface current 180° True .6 knot.
39. Salinity inversion double checked.
40. See Page 85.



Part III. Daily maximum and minimum temperature observations made at a depth of three feet at Public Landing, Md., by means of a recording thermograph.

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
July 1952

Day	Maximum		Minimum	
	EST	OC	EST	OC
17	1530	29.4	-	-
18	1630	30.6	0600	27.2
19	1900	29.4	0730	27.5
20	1800	30.8	0630	26.9
21	1830	30.3	0600	28.3
22	1730	31.9	0600	29.4
23	1700	33.0	0800	30.0
24	1630	31.1	0800	29.7
25	1530	30.3	0730	26.9
26	1630	29.4	0630	25.3
27	1430	29.4	0700	26.1
28	1730	30.8	0730	26.9
29	1830	30.6	0730	28.1
30	1600	31.1	0730	28.1
31	1630	29.4	0730	<u>27.2</u>
Average		30.5		27.7

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
August 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	1730	28.3	0700	27.2
2	1200	27.2	0600	26.1
3	1530	28.3	0700	25.0
4	1530	29.4	0800	26.1
5	1530	29.4	0630	26.1
6	1630	28.3	0730	26.7
7	1700	26.7	0700	26.1
8	1530	26.1	0800	25.6
9	1800	27.2	0730	25.0
10	1630	27.2	0800	25.6
11	1930	29.4	0700	26.1
12	0600	29.4	0800	27.2
13	1730	28.9	0730	27.8
14	1800	28.3	0700	26.1
15	1800	28.9	0900	26.1
16	1700	28.3	0800	25.0
17	1900	27.2	0900	25.0
18	1800	27.8	0900	25.0
19	1600	27.8	0900	25.6
20	1630	27.2	0900	24.4
21	1800	26.7	0900	23.9
22	1800	27.2	0830	25.0
23	1700	25.0	0930	22.8
24	1600	24.4	0830	21.1
25	1700	25.0	0800	21.1

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
August 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1800	26.1	0800	21.1
27	1500	25.0	0730	22.2
28	1700	26.7	0100	22.2
29	1800	27.8	0800	24.4
30	1700	27.8	0730	25.6
31	1500	27.2	0730	25.0
Average		27.4		24.9

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
September 1952

Day	Maximum		Minimum	
	EST	OC	EST	OC
5	1630	25.0	-	-
6	1600	24.4	0900	21.1
7	0000	22.8	2400	20.0
8	1600	20.6	0800	17.8
9	1600	21.7	0900	18.3
10	1730	22.2	0830	18.9
11	1930	24.4	0830	18.9
12	1730	25.6	0900	22.2
13	1700	25.6	0730	22.2
14	1600	25.6	0800	23.3
15	1800	23.9	0900	23.3
16	1730	25.3	0900	22.8
17	1830	24.4	0930	22.8
18	1800	25.0	0900	22.8
19	1700	24.4	0800	23.3
20	1530	24.4	0630	23.3
21	1700	23.3	0900	21.1
22	0000	22.2	2130	18.9
23	1600	20.0	1030	18.9
24	1630	21.1	0630	18.3
25	1500	20.6	0930	18.3
26	1700	22.2	0830	18.3
27	1600	21.1	0830	18.9
28	1530	21.1	0830	17.8

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
September 1952

Date	Maximum		Minimum	
	EST	OC	EST	OC
29	1630	20.6	0830	18.3
30	1800	21.1	0800	18.9
Average		23.0		20.3

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
October 1952

Day	Maximum		Minimum	
	EST	OC	EST	OC
1	1630	22.8	0800	20.0
2	1730	22.2	0900	20.6
3	0000	21.7	2400	17.8
4	1530	18.3	0800	16.7
5	1600	18.9	0730	15.6
6	2100	20.0	0800	17.8
7	0000	19.4	2400	17.8
8	1500	16.7	0930	15.6
9	0000	15.0	2400	14.4
10	1400	15.0	0600	13.9
11	1500	15.0	0900	13.9
12	1500	15.6	0600	13.9
13	1630	17.8	0600	14.4
14	1530	18.3	0800	15.6
15	1630	17.2	0700	16.7
16	1600	18.3	0730	16.7
17	1500	16.7	0730	15.0
18	1530	16.1	0600	13.9
19	1530	16.1	0800	14.4
20	0000	14.4	2400	10.0
21	1500	11.1	0730	8.3
22	1530	11.7	0630	8.3
23	1530	12.2	0630	9.4
24	1530	13.9	0700	10.0
25	1500	13.9	0700	11.1

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
October 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1600	13.3	0700	10.0
27	1600	13.9	0630	11.1
28	1530	13.3	0800	12.2
29	0000	12.2	2400	9.4
30	1530	10.0	0830	8.3
31	1530	11.1	0630	8.3
Average		15.9		13.6

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
November 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	1400	11.1	0700	9.7
2	1500	11.7	0700	10.0
3	1500	11.7	0800	10.6
4	1600	11.7	0830	10.3
5	1600	10.8	0900	8.9
6	1600	10.6	0700	9.2
7	1400	9.2	0800	8.3
8	1540	9.2	0900	6.7
9	2300	9.4	0730	7.2
10	0000	9.4	2400	8.9
11	1330	8.9	0800	8.1
12	1500	8.9	0800	7.5
13	1630	8.9	0830	6.7
14	1500	9.7	0730	7.2
15	1230	9.4	0630	8.9
16	1300	10.6	0630	8.9
17	1630	10.6	0630	8.9
18	1430	10.8	0430	9.7
19	1630	10.8	0700	9.4
20	2400	12.2	0000	10.6
21	1330 2400	12.8	0330	11.9
22	1000	12.2	0730 2400	11.7
23	0000	11.7	1030	10.6
24	1500	11.7	0730	10.3



Water Temperature Data, Public Landing, Md., Depth of 3 feet  
November 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
25	1730	11.1	0730	10.0
26	1830	11.9	0930	10.3
27	2400	11.7	2400	10.8
28	1500	10.3	0900	9.7
29	0000	8.9	0830	6.9
30	0000 } 1400 }	7.2	2400	5.6
Average		10.5		9.1

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
December 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	1530	5.0	1000	4.4
2	1930	5.0	0900	4.4
3	1330	5.0	0600 } 2400 }	4.7
4	2400	5.8	0000	4.7
5	2130	7.2	0000	5.8
6	1430	7.2	2400	6.1
7	1600	6.7	0800	5.6
8	1400	6.9	0600	6.1
9	1630	6.7	0730	5.8
10	2400	8.6	0000	6.7
11	0600	8.9	2400	7.8
12	0000	7.8	1000 } 2400 }	6.7
13	1530	6.9	0900 } 2400 }	6.4
14	0000	6.4	2400	5.6
15	0000	5.6	2400	3.9
16	1800 } 0000 }	3.9	1100	3.3
17	2100	4.7	1030	3.1
18	2000	5.3	0800	4.2
19	1500	4.7	1000	4.2
20	1500	4.7	0900	3.9
21	2400	5.6	0000	4.4
22	0000	5.6	2400	4.7
23	1330	5.3	0000	4.7
24	1500	5.6	0000	5.0
25	1500	5.8	0730	5.0

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
December 1952

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1400	5.8	0900	5.0
27	1500	5.6	2400	3.3
28	1500	2.8	0900	1.1
29	1330	1.9	0800	0.0
30	1530	2.2	0730	0.9
31	2100	3.1	0200	1.7
Average		5.6		4.5

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
January 1953

Day	Maximum		Minimum	
	EST	OC	EST	OC
1	1630	3.1	0930	2.2
2	1530	3.9	0730	2.5
3	1300	4.7	0730 } 2400 }	3.9
4	1030	4.2	2400	3.1
5	1400	3.3	0730	2.5
6	1400	3.1	0700	1.9
7	1330	3.3	0900	2.8
8	2400	3.6	0000	3.1
9	2400	4.4	0000	3.6
10	1330	5.8	0000	4.4
11	0000	5.0	2400	4.4
12	1430	4.7	0600 } 2400 }	3.9
13	1800	4.4	0900	3.1
14	1800	5.3	2400	4.4
15	1800	7.2	0730	5.0
16	1500	9.4	0700	6.1
17	1500	7.2	0730	5.6
18	1530	8.1	0000	6.7
19	0730	6.9	1800	7.8
20	1500	8.3	0800	7.2
21	0000 } 1400 }	7.5	2400	6.6
22	1500	7.2	2400	5.8
23	1430	8.1	0300	5.6
24	1800	8.3	0600	7.8
25	0000	8.1	2400	5.0

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
January 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1530	5.3	0830	8.6
27	2400	4.7	0800	3.3
28	1300	5.6	2400	4.4
29	1530	5.3	0830	3.3
30	1630	5.8	0830	2.8
31	2230	<u>5.8</u>	0800	<u>4.2</u>
Average		5.7		4.6

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
February 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	1430	7.8	2400	5.0
2	1630	5.3	0900	2.8
3	1630	5.3	0000	3.6
4	1600	5.3	0930	3.6
5	1700	4.2	0930	1.9
6	2400	5.6	0900	2.2
7	1430	6.4	0000 } 2400	5.6
8	1600	5.8	2400	4.4
9	1530	6.1	0900	3.6
10	1600	6.7	0900	2.8
11	1500	3.6	0900	2.8
12	1200	4.4	0000	3.3
13	1600	5.6	0000	3.9
14	1600	6.7	0700	3.3
15	1130	6.1	0600 } 2400	5.3
16	1530	6.4	0730	4.7
17	1600	6.7	2400	4.7
18	1700	6.1	2400	3.6
19	1600	6.9	0830	2.8
20	1630 } 2400	6.9	0830	4.7
21	1630	9.4	0000	6.9
22	1430	8.3	2400	6.7
23	1630	8.9	0730	4.7
24	1600	7.5	0730	5.0
25	1600	8.3	0700	5.8

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
February 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1630	8.9	0830	7.2
27	1500	8.9	0700	6.7
28	1600	8.9	2400	6.9
Average		6.7		4.4

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
March 1953

Day	Maximum		Minimum	
	EST	OC	EST	OC
1	1500	8.1	2400	5.6
2	0000	5.6	2400	2.2
3	2200	4.4	0000	2.2
4	2100	6.4	0000	4.2
5	1700	7.8	0730	5.3
6	1630	10.6	0730	5.6
7	1500	10.0	2400	6.7
8	0000	6.7	2400	4.7
9	1600	6.1	0630	3.6
10	1630	6.9	0700	3.9
11	1630	8.1	0700	4.2
12	1400	7.5	0730	6.4
13	1600	8.6	0000 } 2400 }	8.1
14	2400	10.6	0000	8.1
15	2000	11.4	0000	10.6
16	1600	12.5	0630	10.6
17	1600	12.2	0700	10.8
18	0000	11.4	2400	10.3
19	1630	11.7	0000	10.3
20	1700	12.5	2400	11.1
21	1530	13.9	0700	10.6
22	1600	12.5	0600	9.4
23	1330	14.2	0730	10.8
24	0000 } 1700 }	13.1	2400 } 0530 }	12.5



Water Temperature Data, Public Landing, Md., Depth of 3 feet  
March 1953

Day	Maximum		Minimum	
	EST	OC	EST	OC
25	0000 } 1400 }	12.5	0800 } 2400 }	11.7
26	0000	11.7	2400	9.4
27	1530	10.0	0730	8.3
28	1630	12.2	0530	9.2
29	1530	11.7	0630	10.0
30	1600	11.1	0700	8.6
31	1630	11.7	0700	8.6
Average		10.1		7.9

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
April 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	1800	11.7	1030	10.3
2	1430	11.7	0630	10.6
3	1800	14.4	0600	10.8
4	2100	15.0	0730	12.8
5	1630	15.8	0830	13.9
6	0000	14.7	2400	12.8
7	1400	13.6	2400	12.5
8	1600	13.6	2400	12.2
9	1600	13.6	0630	11.7
10	1730	15.0	0530	11.9
11	1630	16.1	0600	13.1
12	1300	15.0	0630	13.1
13	0000	14.2	2400	11.9
14	1500	12.2	2400 } 0700 }	10.6
15	1430	14.2	0630	9.2
16	1700	11.7	0300	9.7
17	1630	13.6	0530	9.4
18	1530	13.9	0630	11.7
19	0000	13.1	2400	10.8
20	1630	11.4	0630	9.4
21	1630	11.1	0600	8.9
22	1530	14.4	0630	8.6
23	1730	16.4	0600	10.3
24	1730	17.8	0630	13.1
25	1530	20.6	0530	13.3
26	1630	20.3	0630	16.4

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
April 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
27	0000	18.1	2400	16.4
28	1530	18.1	0630	14.7
29	1700	19.2	0730	15.0
30	1730	18.9	0800	14.4
Average		15.0		12.0

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
May 1953

Day	Maximum		Minimum	
	EST	OC	EST	OC
1	1800	20.0	0800	16.7
2	1800	20.8	0730	17.2
3	0000 } 1800 }	19.4	1030	18.1
4	1900	20.6	0730	17.5
5	1730	21.1	0730	18.3
6	1900	22.8	0730	19.4
7	0000 } 1400 }	21.7	0900 } 2400 }	20.6
8	1630	23.9	0700	19.4
9	1530	23.6	0730	20.6
10	1830	24.2	0700	20.0
11	1700	24.7	0730	20.6
12	1630	24.2	0700	21.1
13	1800	23.3	0830	20.6
14	1630	22.5	0800	21.1
15	1700	24.4	0600	20.8
16	1500	25.0	2400	21.7
17	1730	25.3	0630	21.4
18	1630	24.4	0730	22.2
19	0000 } 1500 }	23.3	2400	21.4
20	1730	22.2	0830	20.3
21	0000 } 1730 }	20.6	2400	19.2
22	1800	21.4	0700	17.8
23	1730	24.2	0600	20.6
24	1730	23.9	0900	21.4
25	1500	23.3	0730 } 2400 }	20.6

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
May 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
26	1730	23.3	0800	19.4
27	0000	22.5	0800	20.0
28	1600	20.6	0730	18.3
29	1730	21.1	0800	17.5
30	{ 0000 1430	19.4	0900	16.9
31	0000	<u>17.8</u>	2400	<u>15.3</u>
Average		22.4		19.5

Water Temperature Data, Public Landing, Md., Depth of 3 feet  
June 1953

Day	Maximum		Minimum	
	EST	°C	EST	°C
1	0000	15.3	2400	14.7
2	1830	18.3	0630	14.2
3	1630	20.8	0400	16.7
4	1630	23.3	0700	18.9
5	1700	24.7	0700	20.0
6	1700	26.7	0700	21.4
7	1800	25.0	0630	23.1
8	1730	25.6	0730	22.8
9	1630	26.7	0600	22.8
10	1630	26.7	0830	18.1